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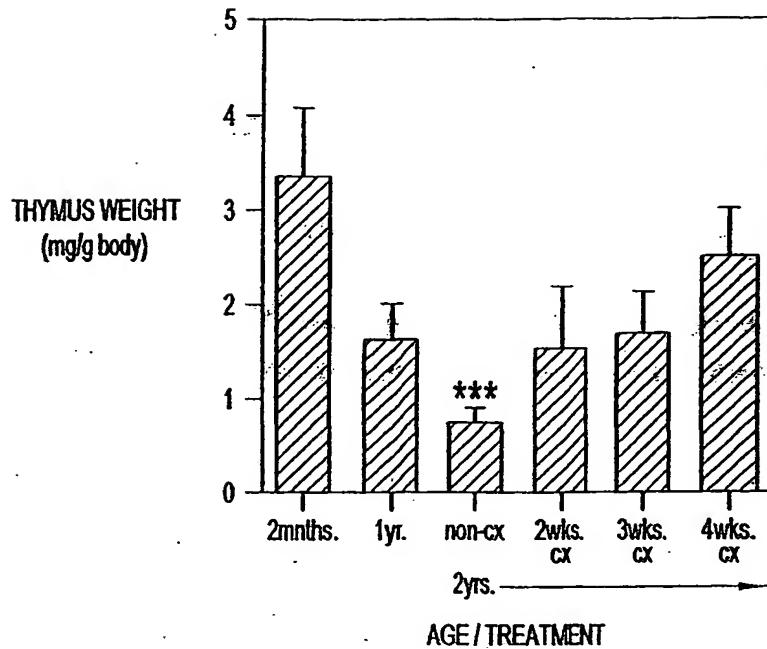


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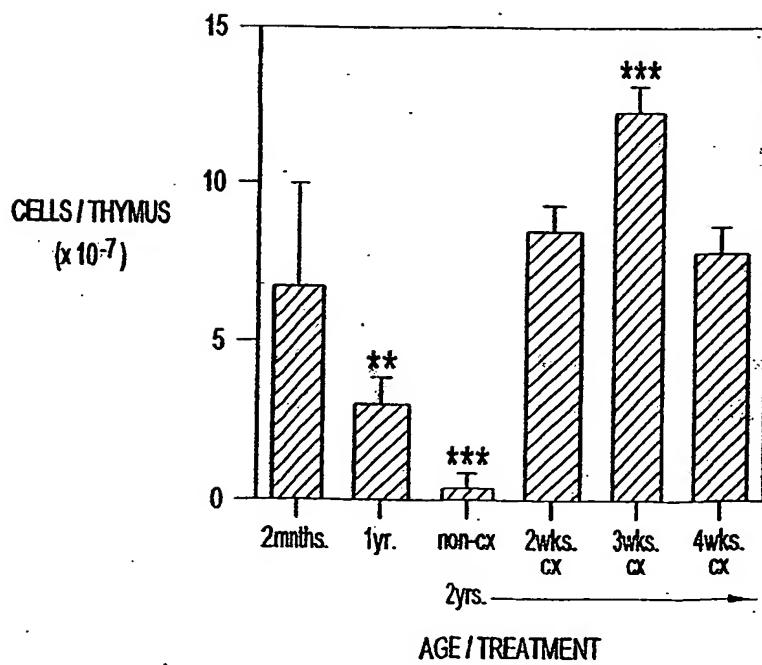


Figure 1B

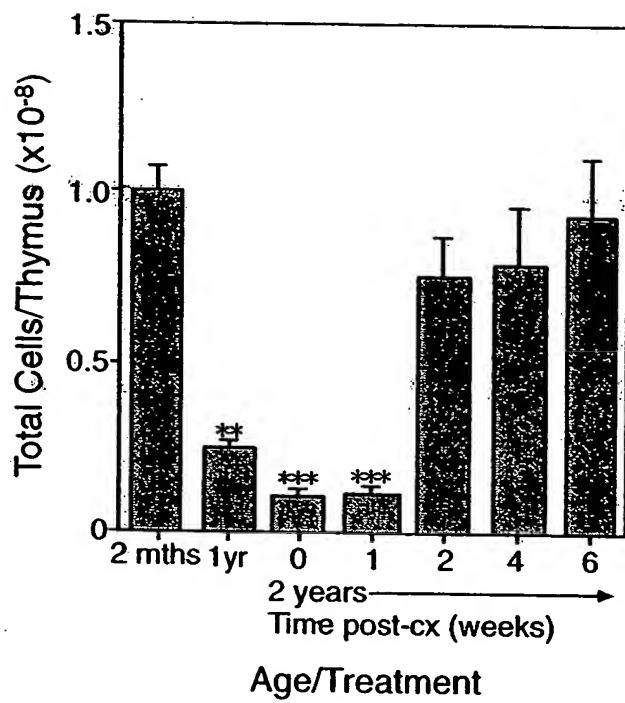


FIGURE 1c

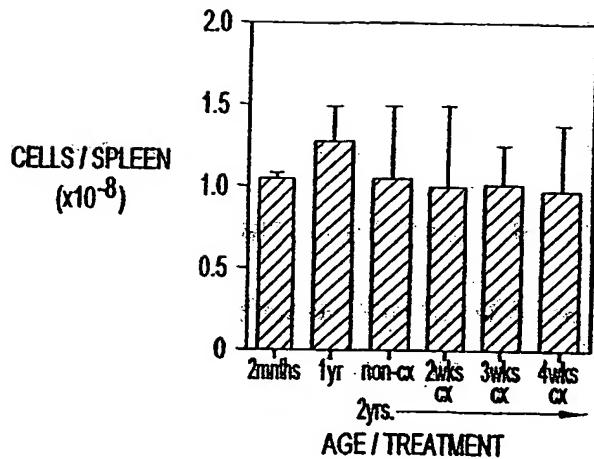


Figure 2A

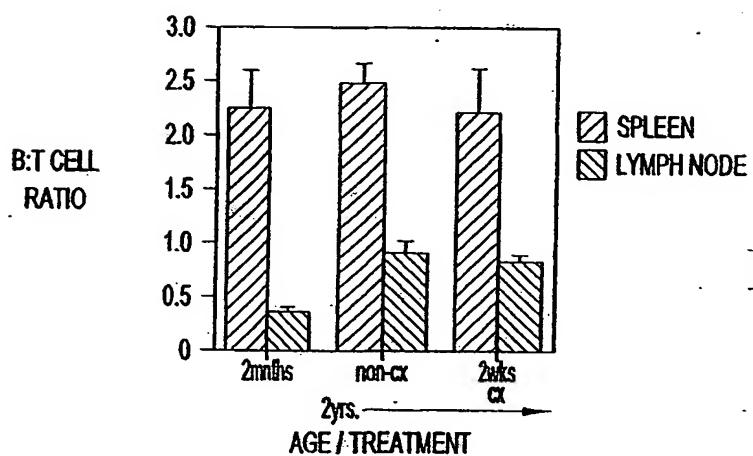


Figure 2C

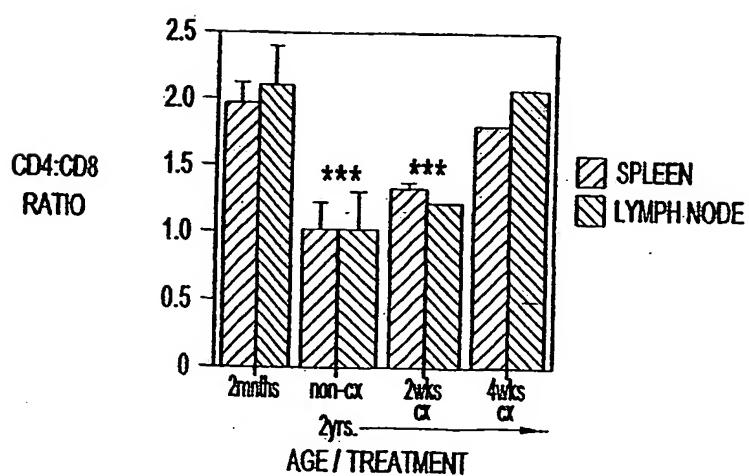


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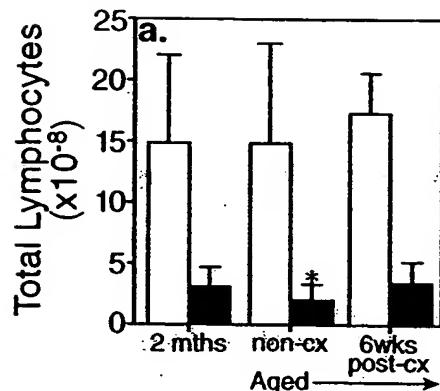


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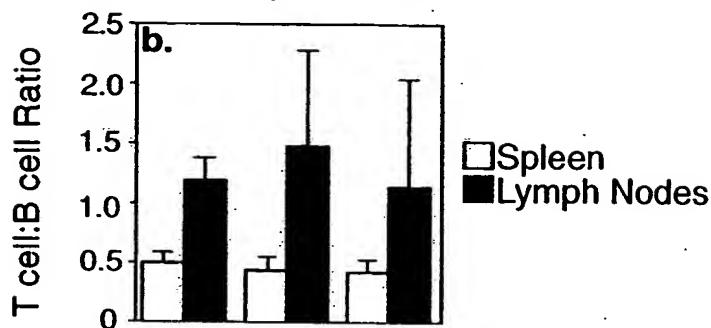


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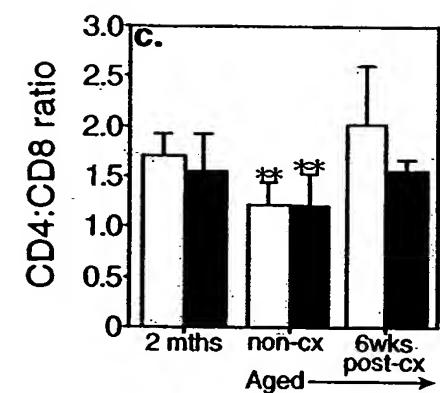


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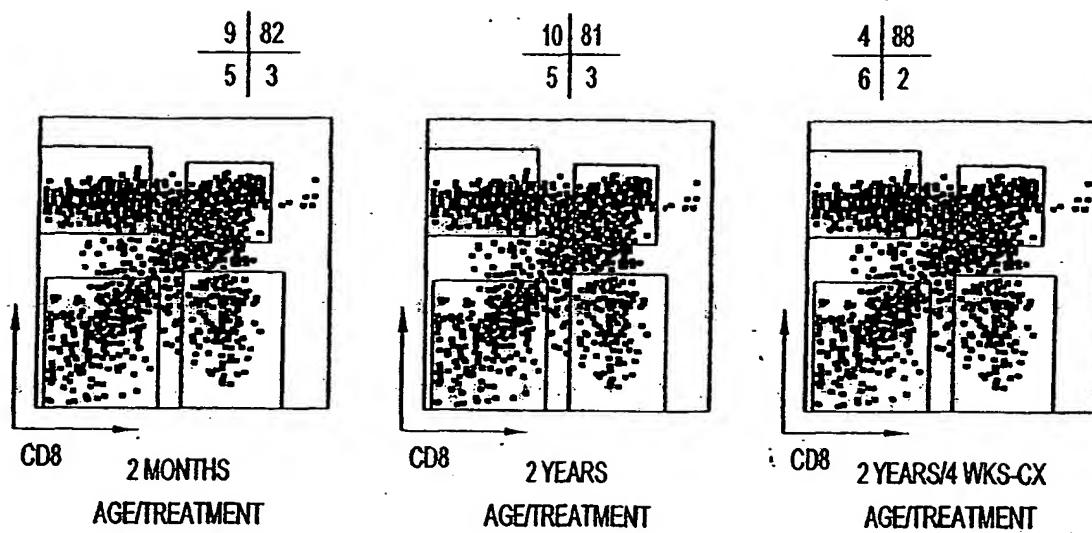


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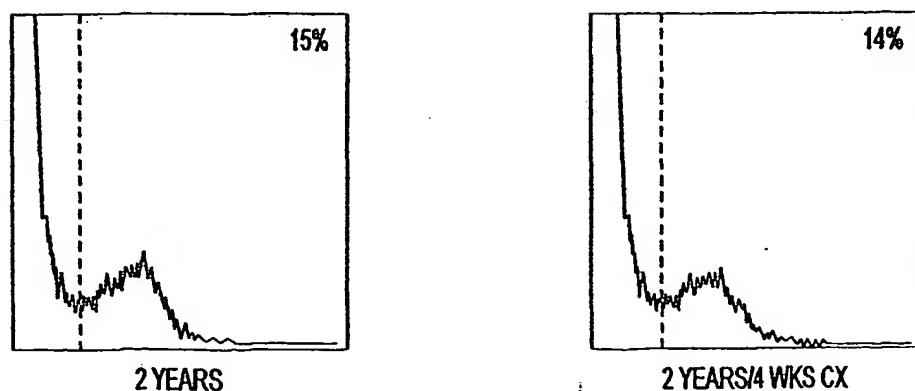
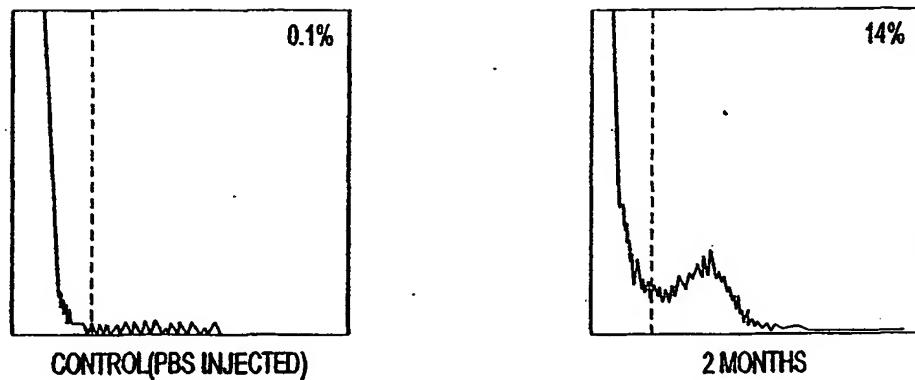


Figure 4 A

Figure 4B

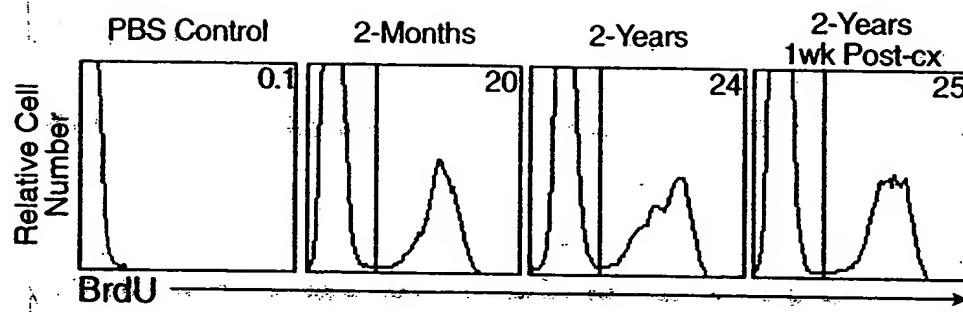
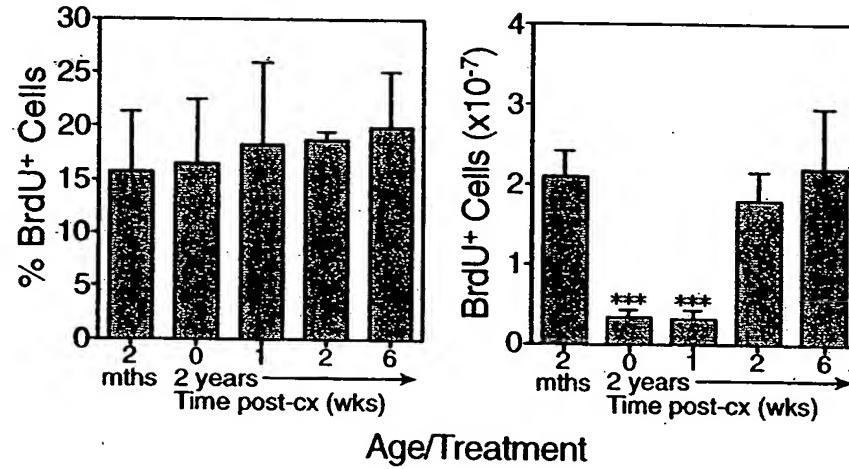


Figure 4C



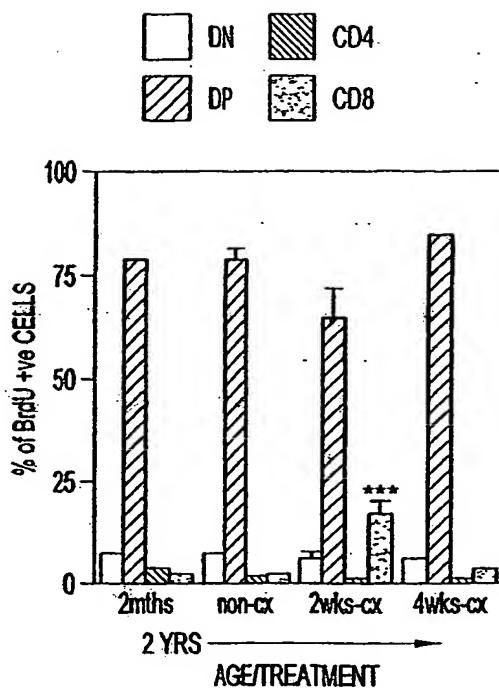


Figure 5A

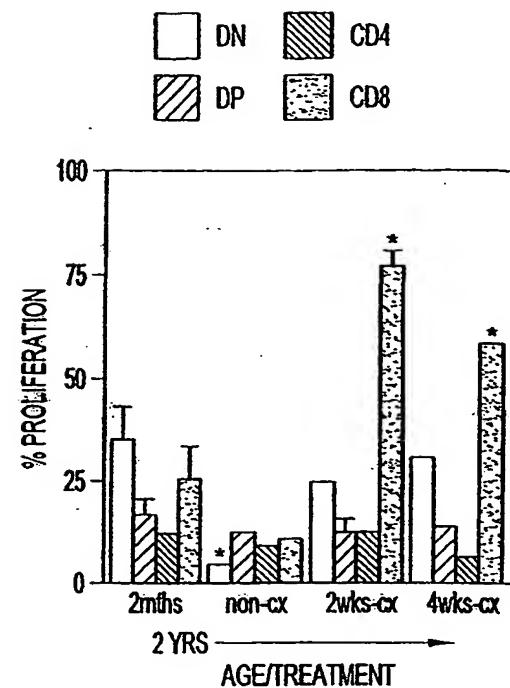


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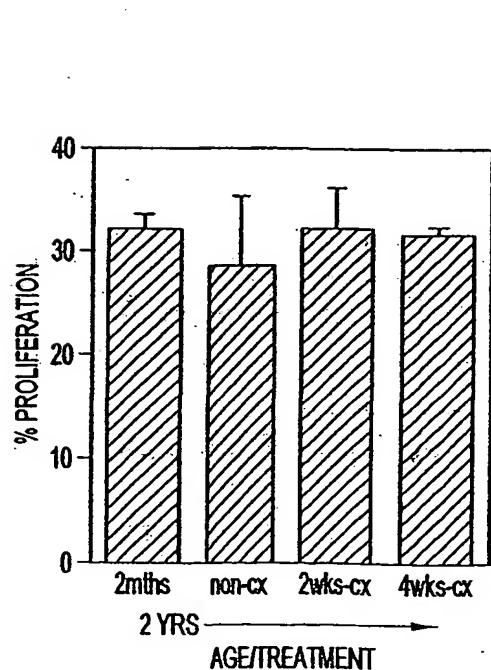


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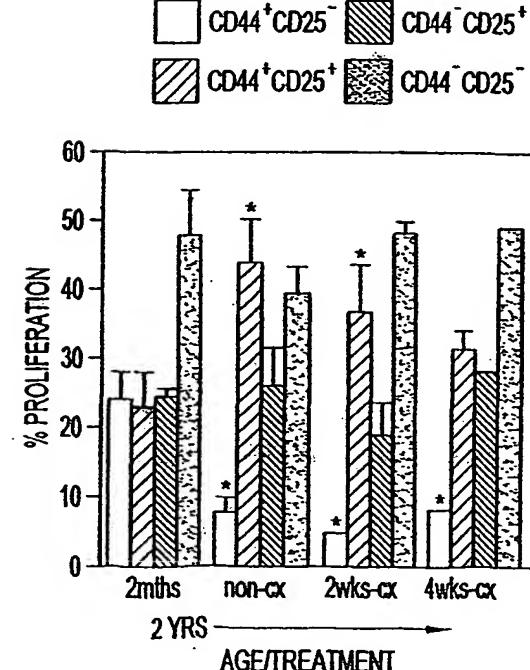


Figure 5G

Figure 5C

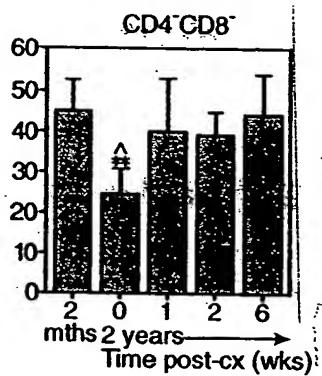


Figure 5D

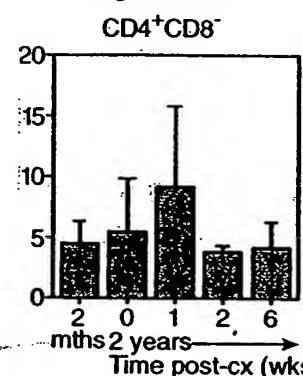


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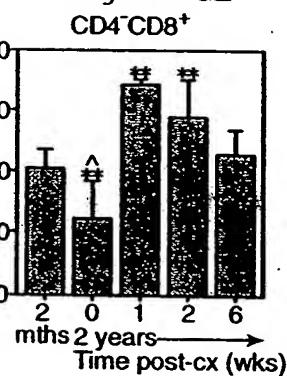


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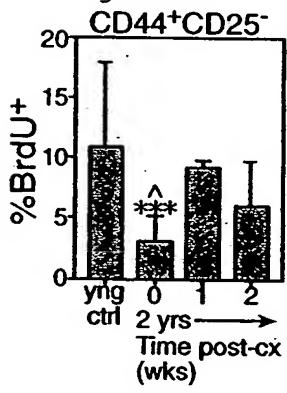


Figure 5I

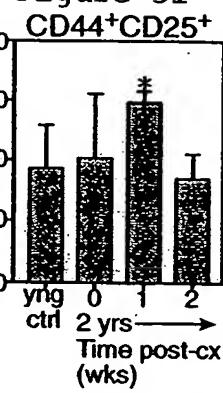


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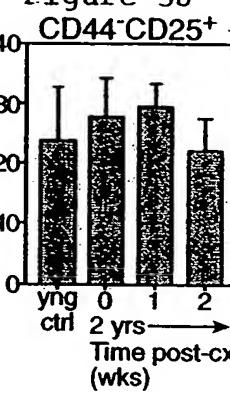
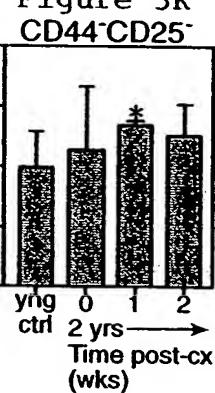
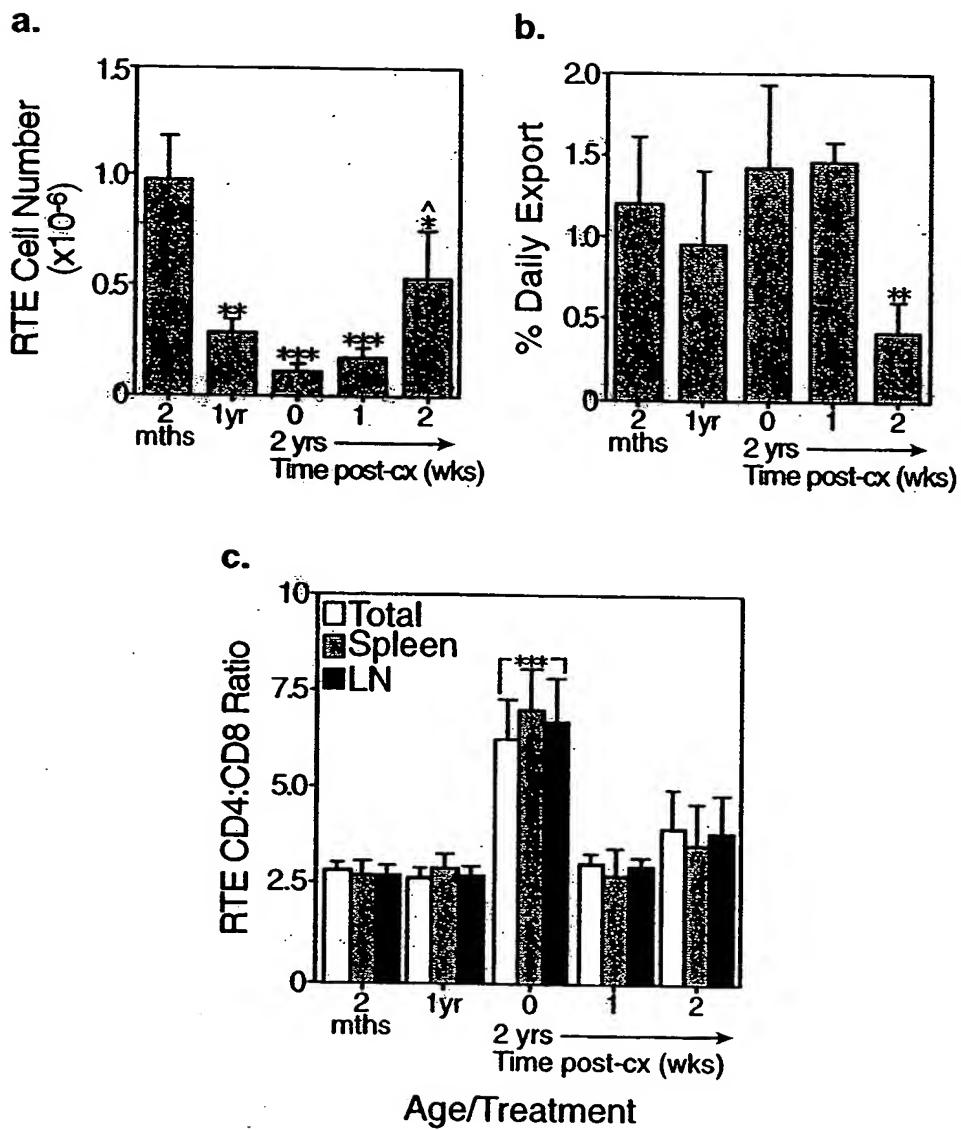


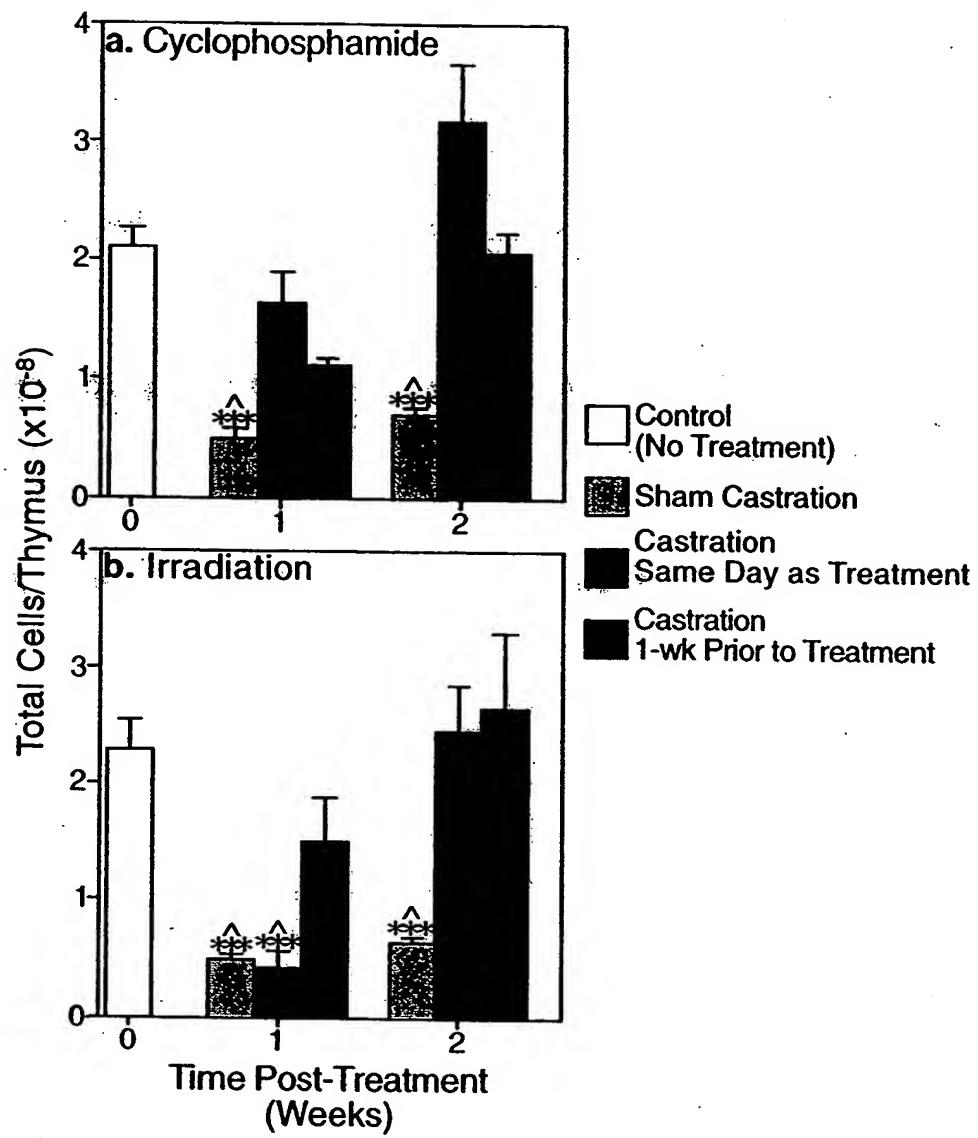
Figure 5K



Age/Treatment



**FIGURE 6.**



**FIGURE 7.**

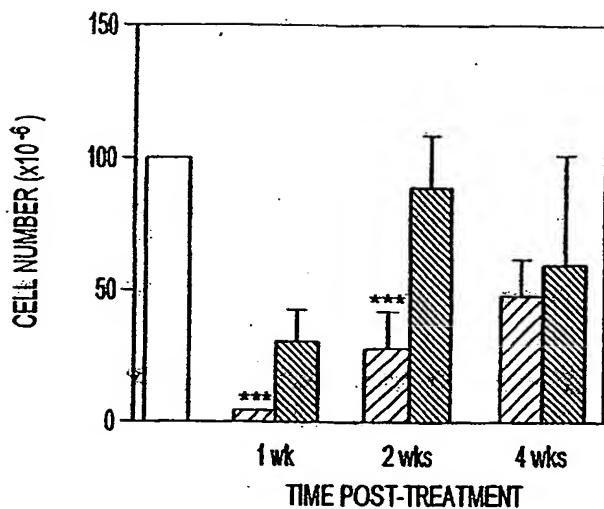


Figure 8A

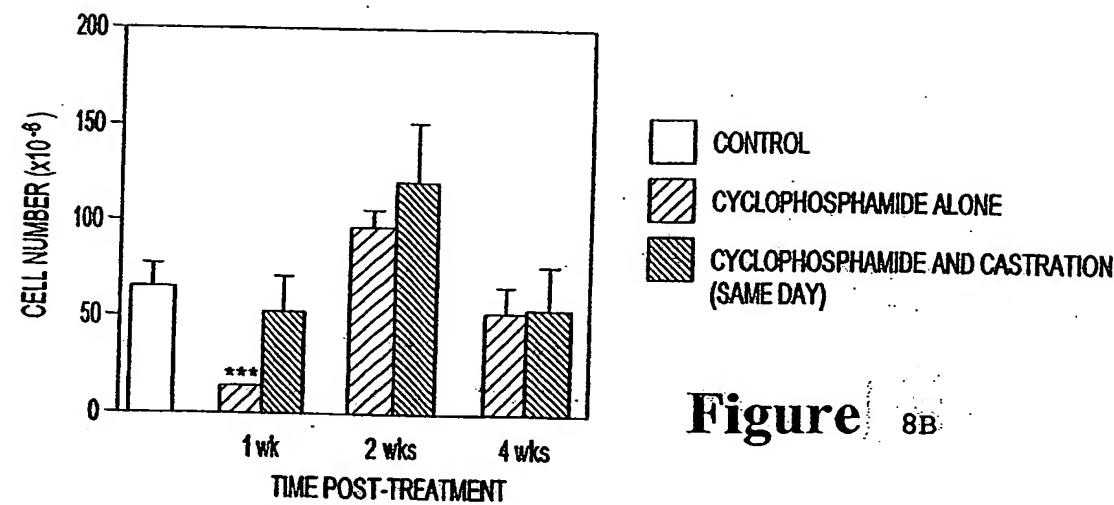


Figure 8B

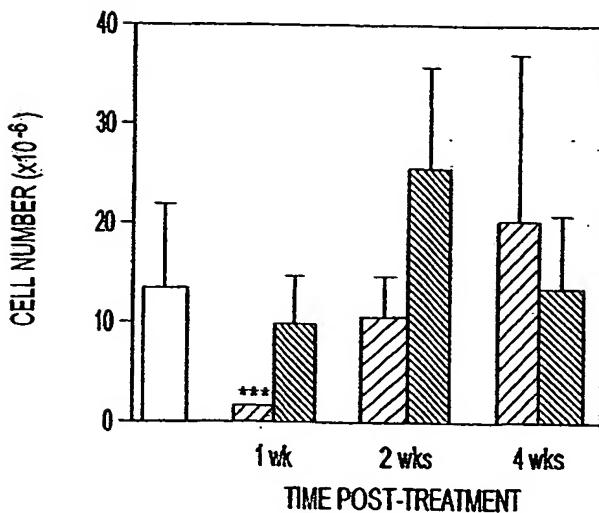


Figure 8C

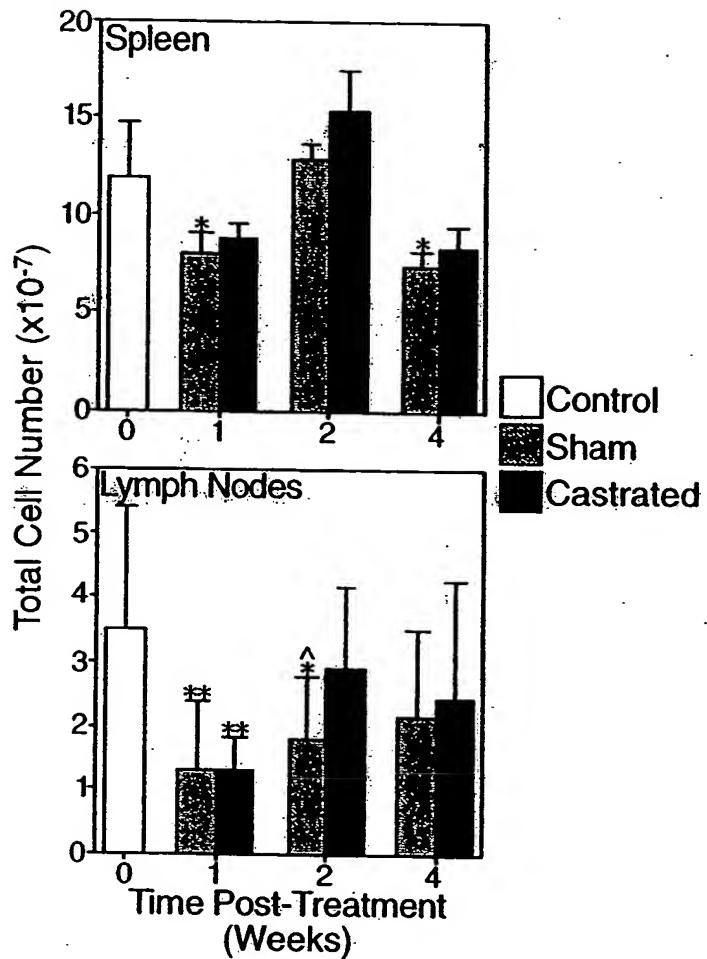


Figure 9A

Figure 9B

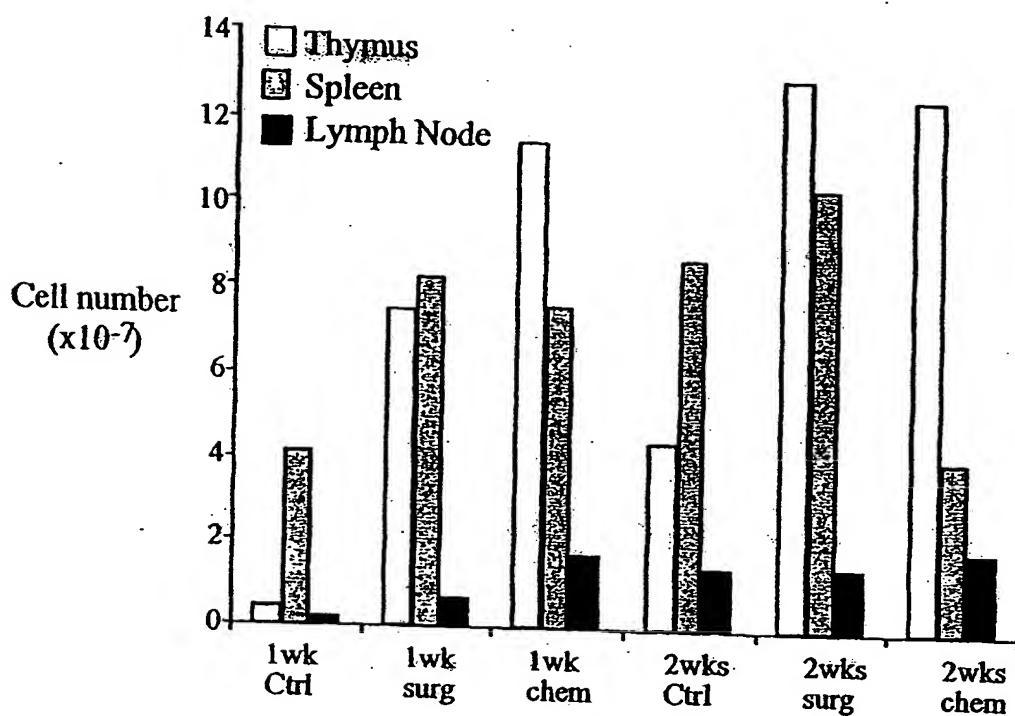


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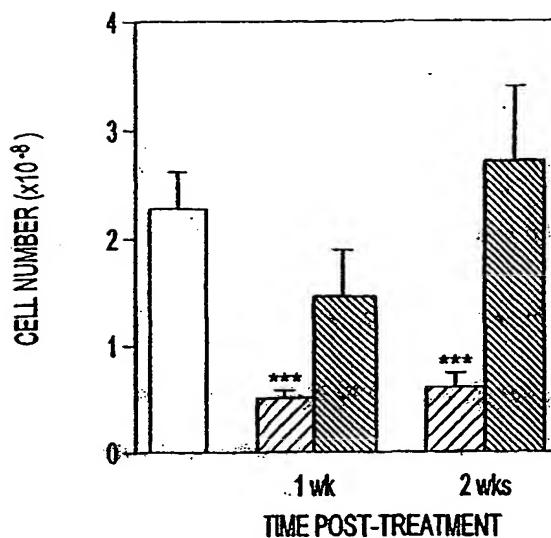


Figure 11A

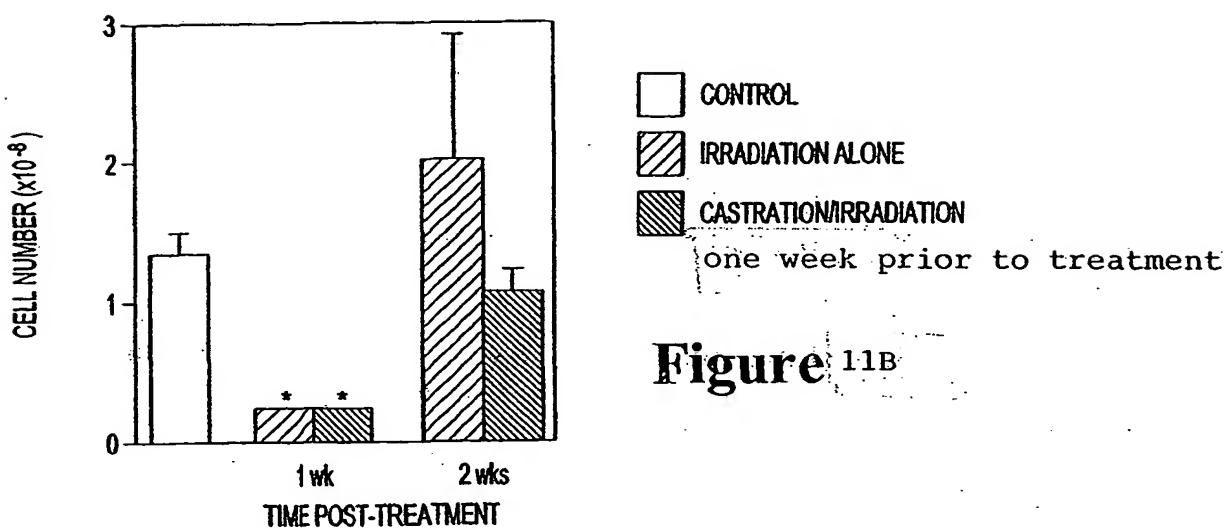


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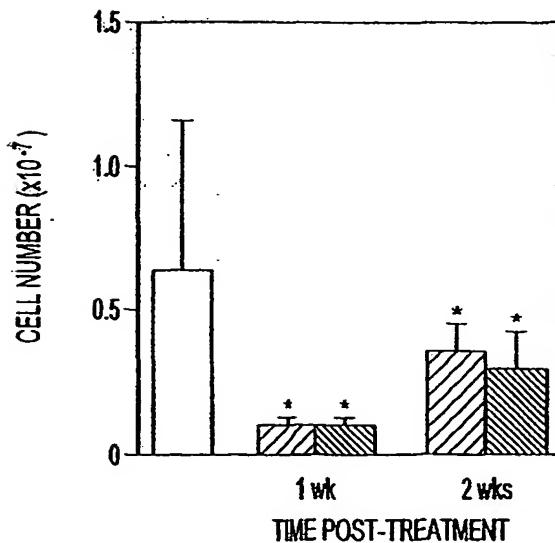


Figure 11C

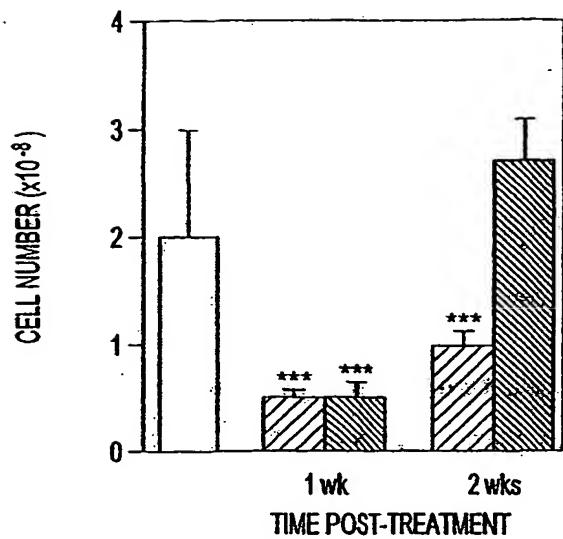


Figure 12A

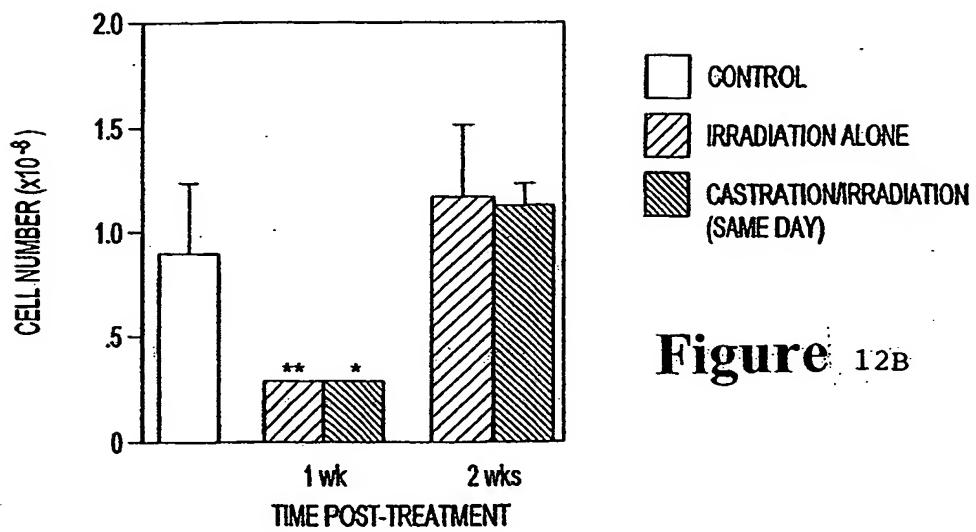


Figure 12B

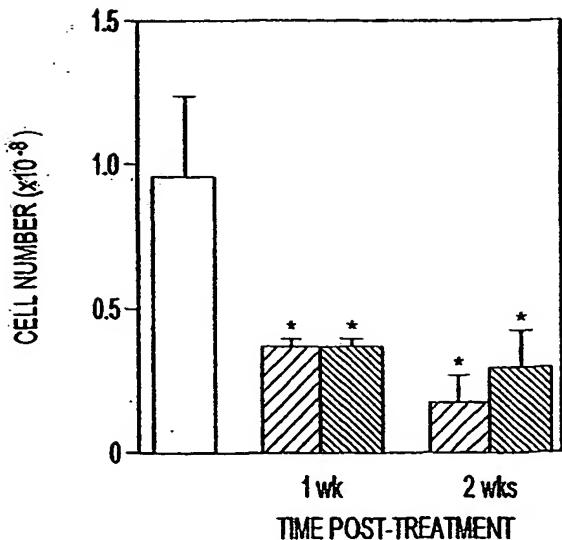


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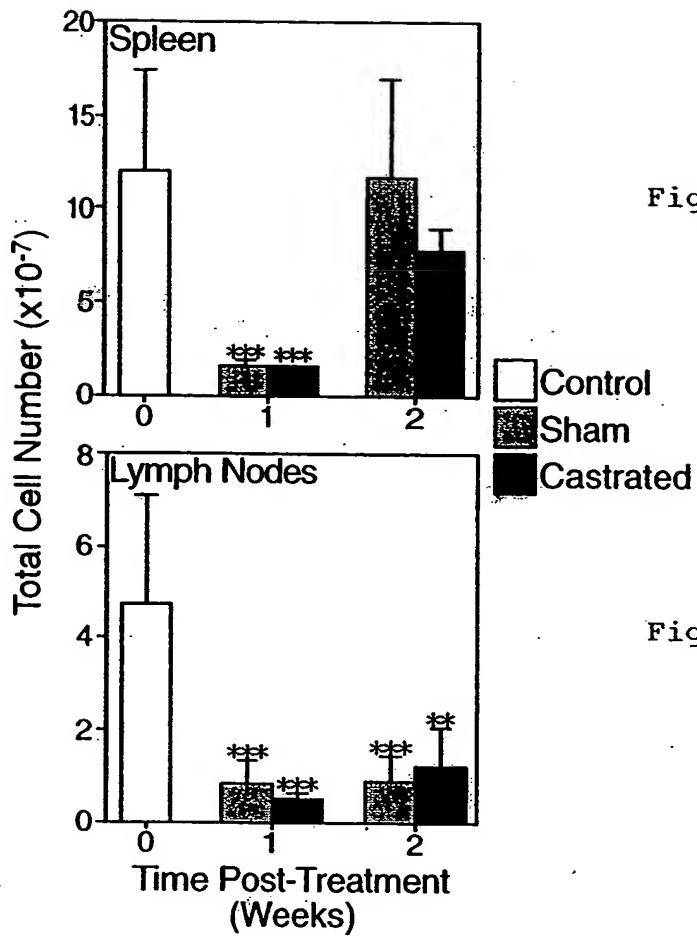


Figure 13A

Figure 13B

### LN size post-HSV inoculation

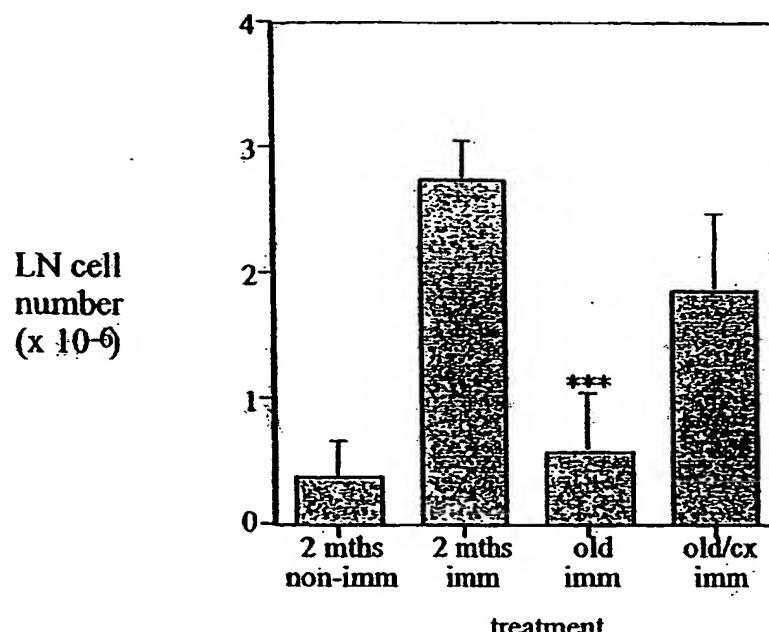


Fig. 14A

### Activated cell numbers

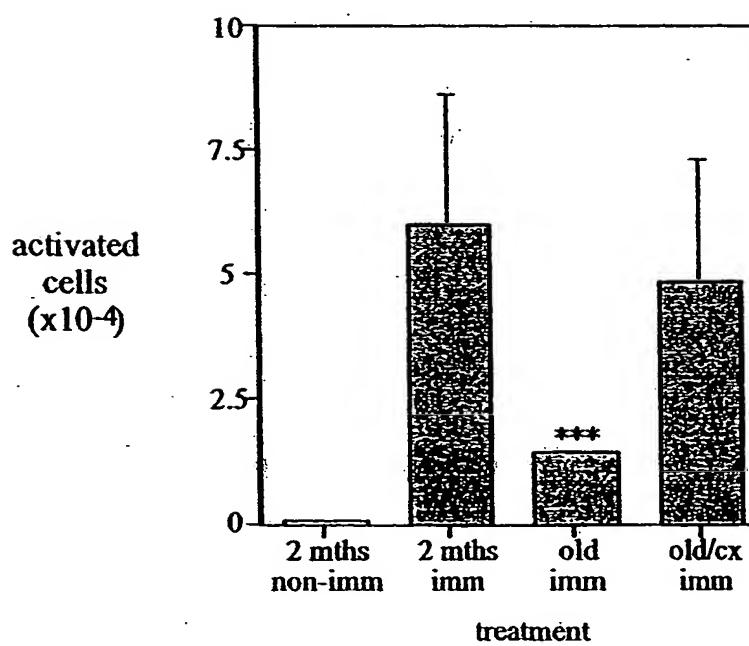


Fig. 14B

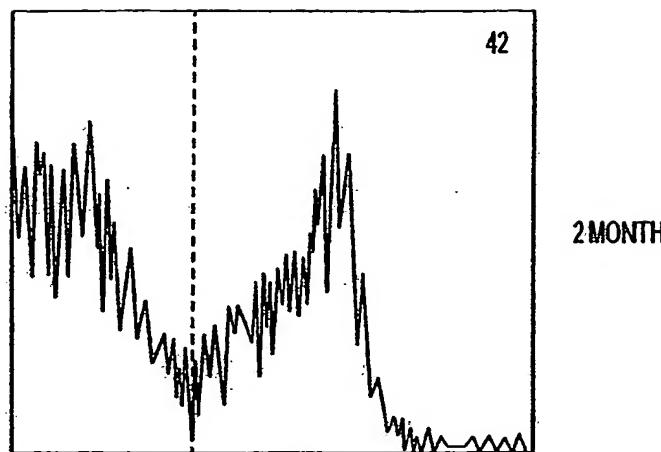


Figure 15A

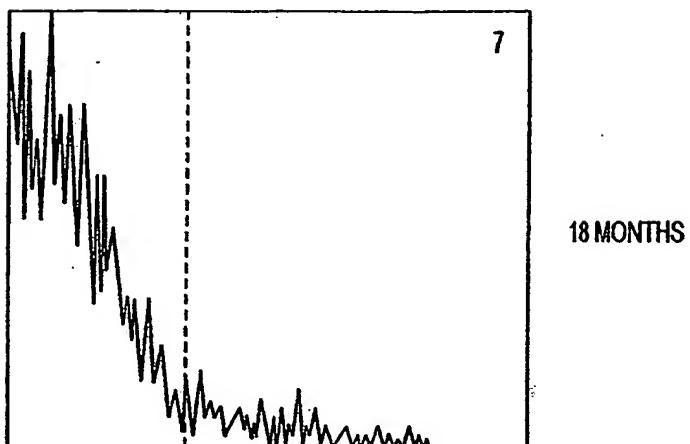


Figure 15B

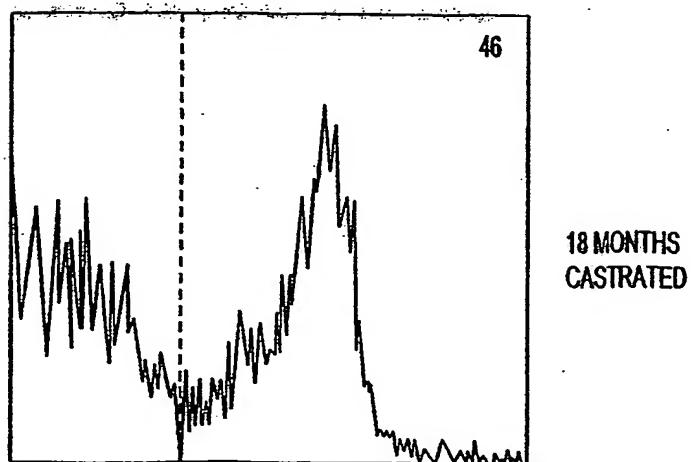


Figure 15C

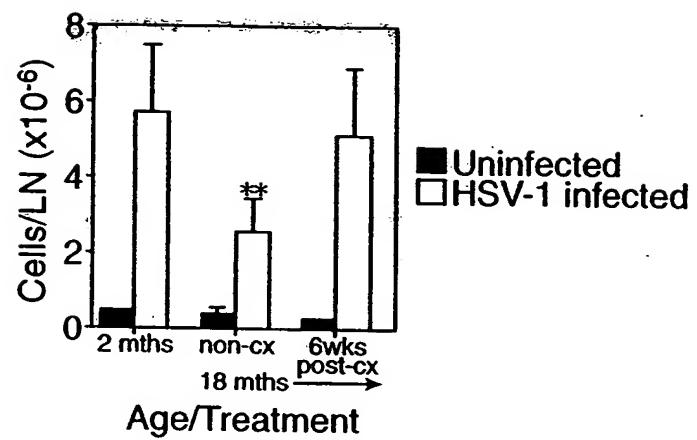


FIGURE 16

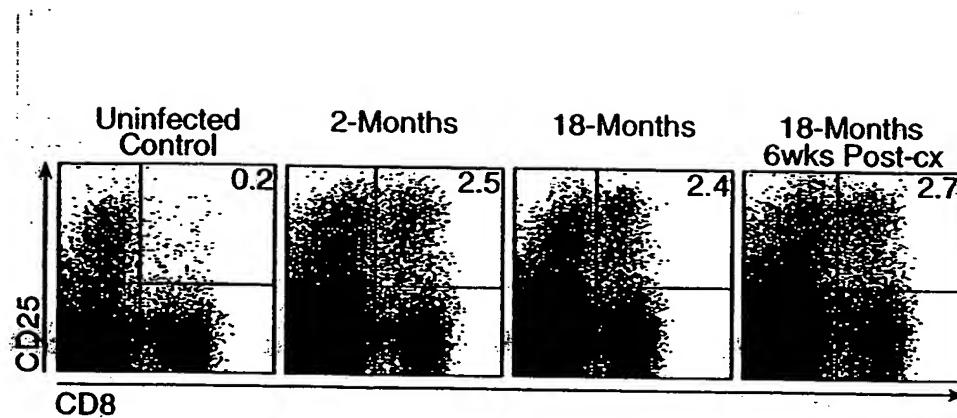


Figure 17A

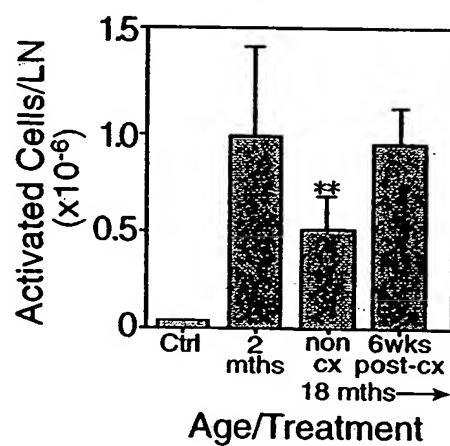


Figure 17B

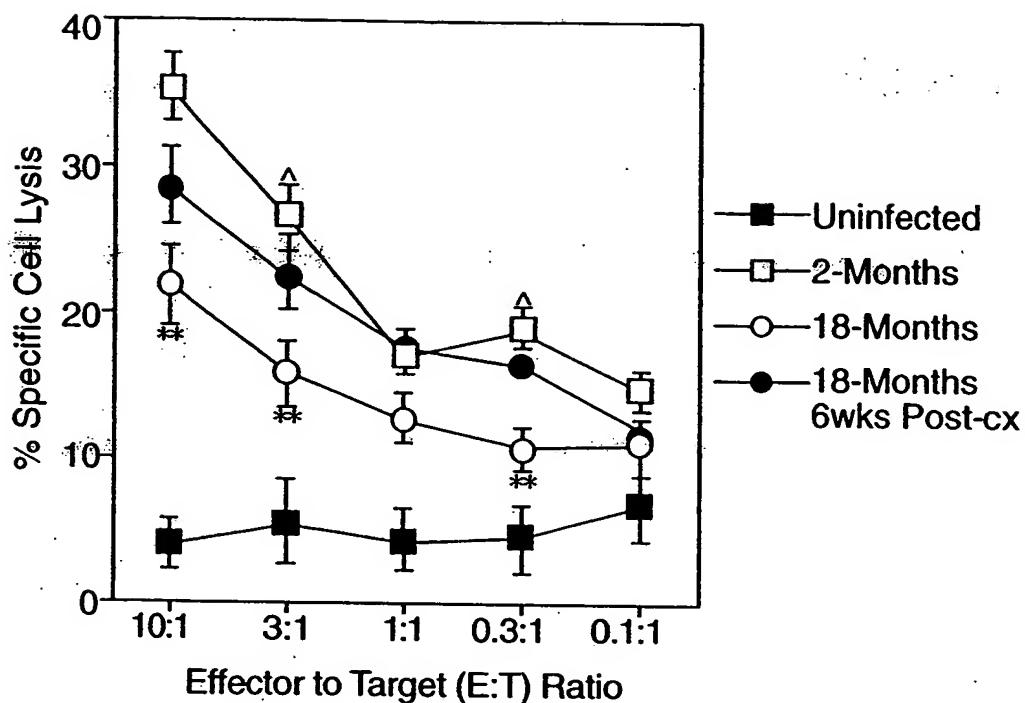
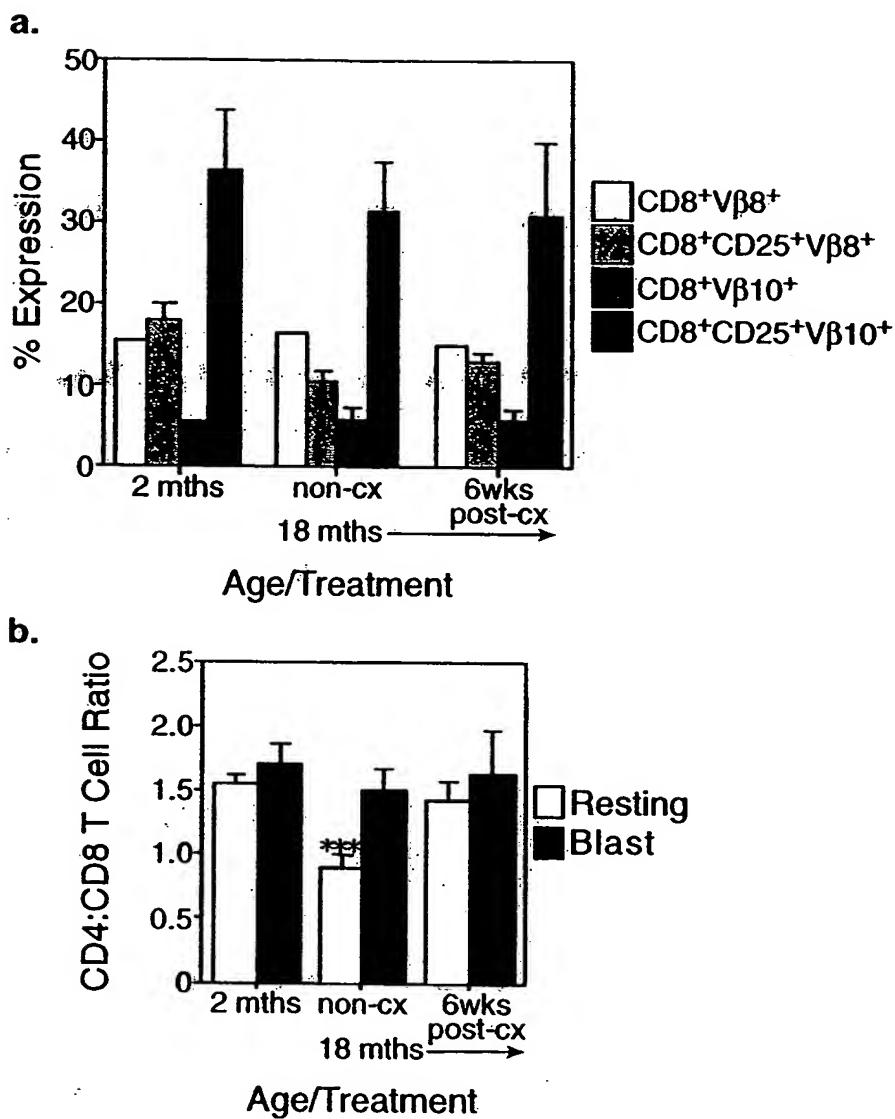


FIGURE 18



**FIGURE 19**

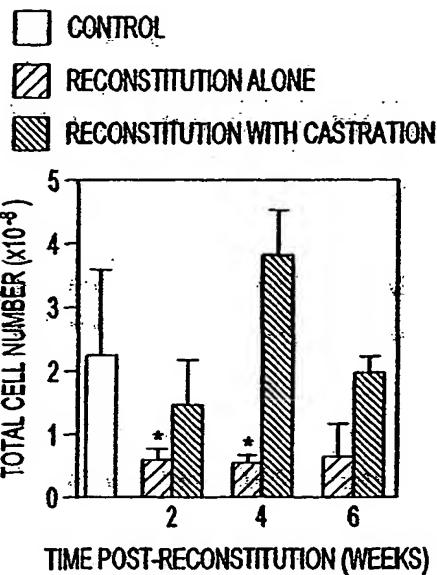


Figure 20A

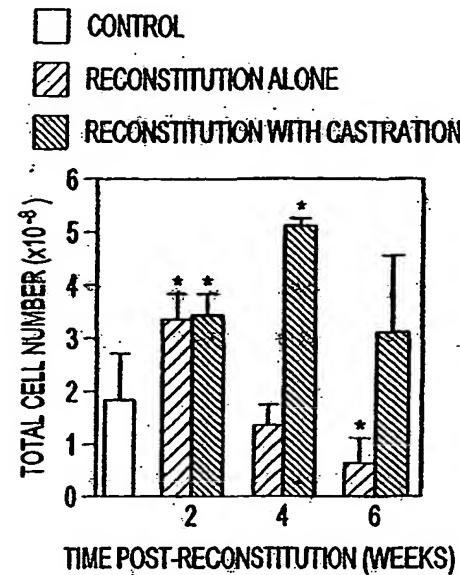


Figure 20B

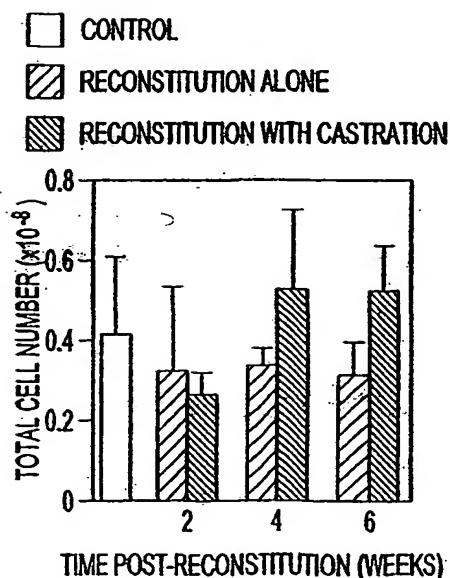


Figure 20C

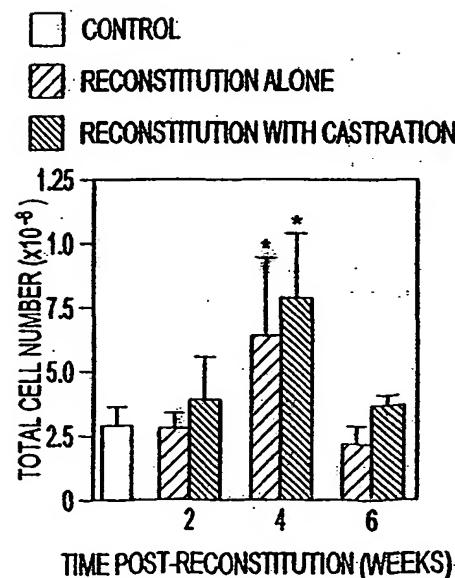


Figure 20D

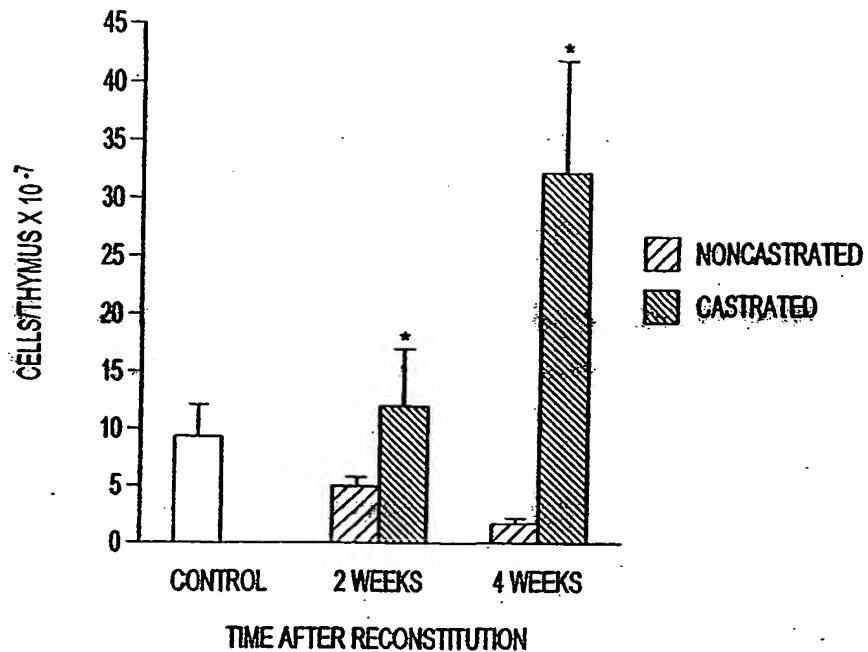


Figure 21A

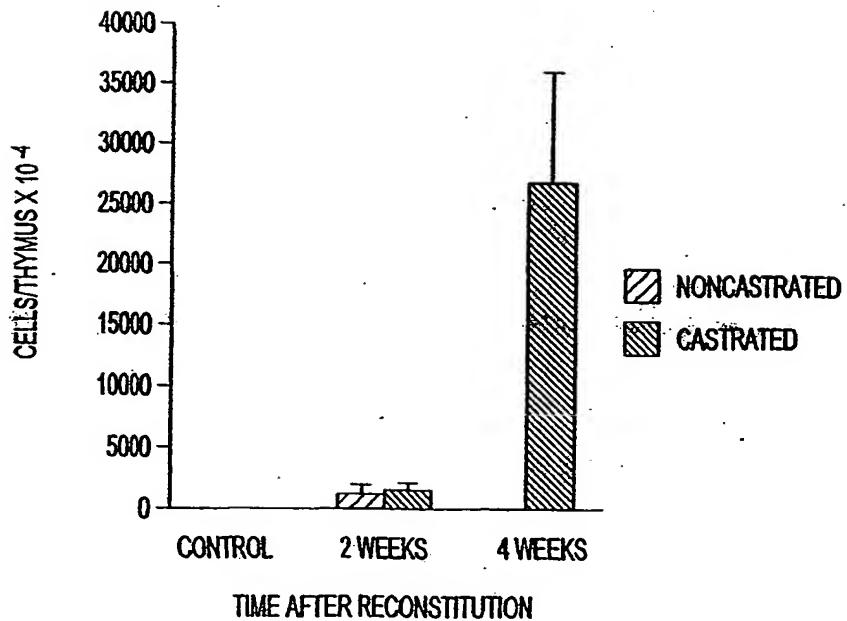
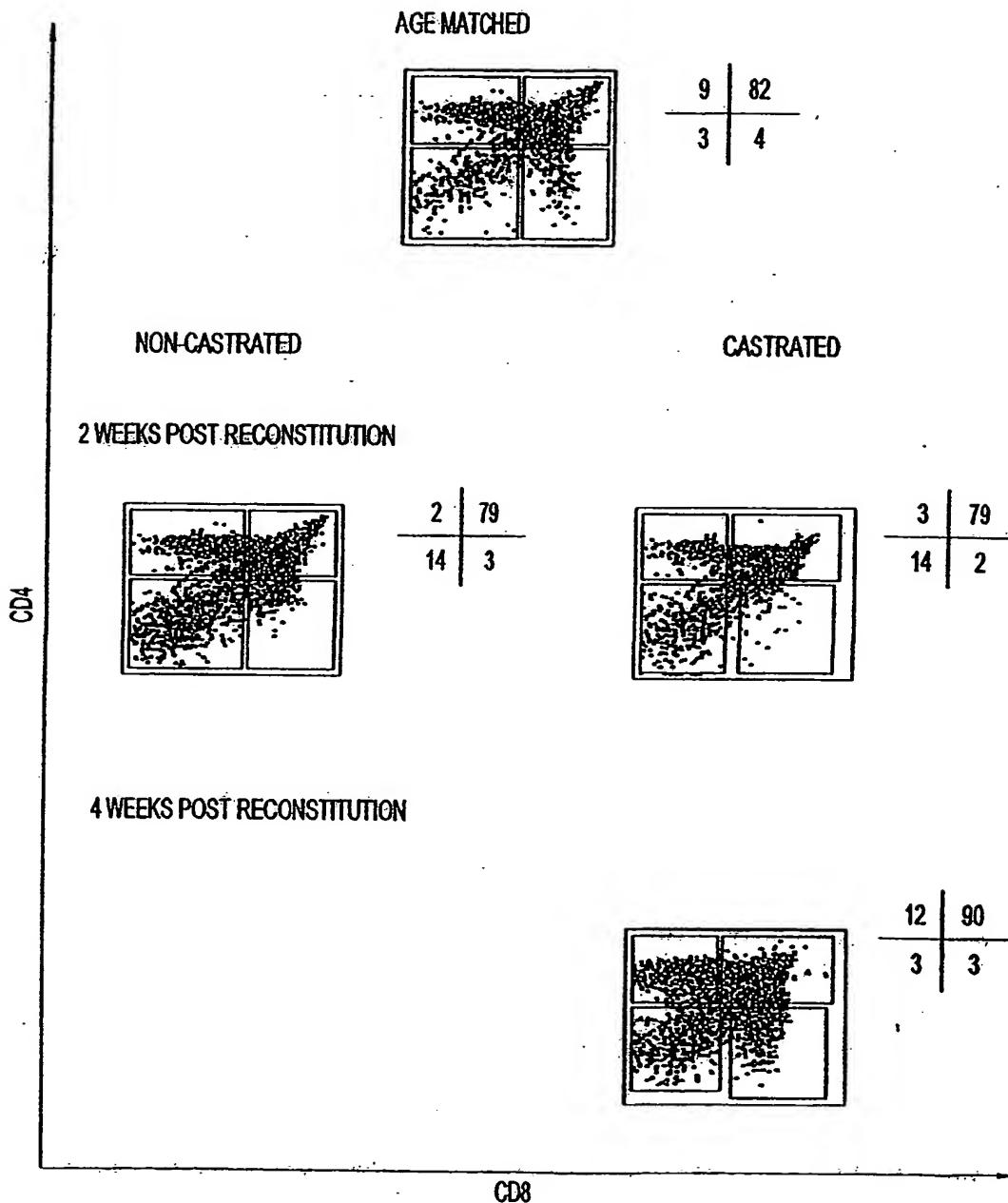


Figure 21B



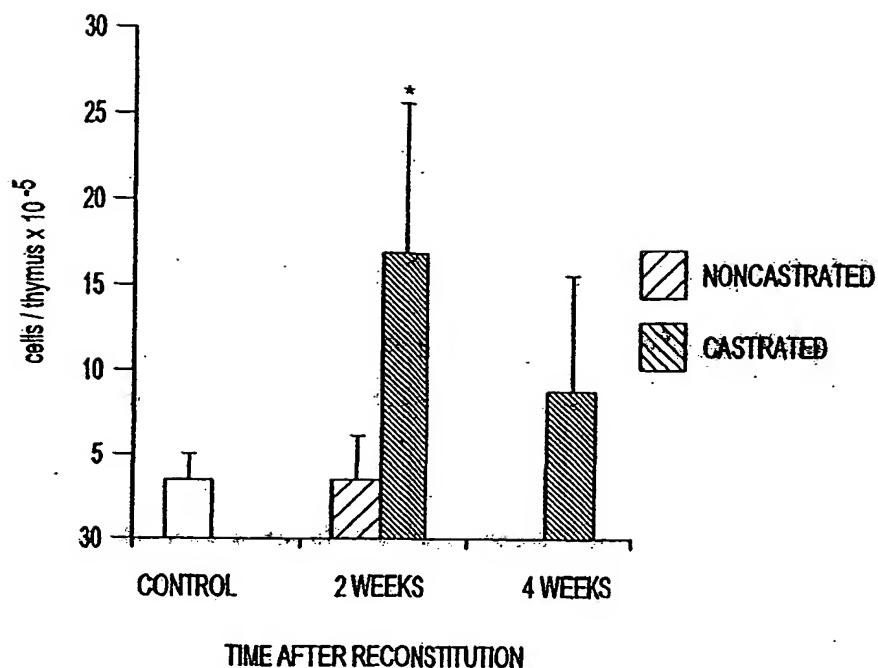


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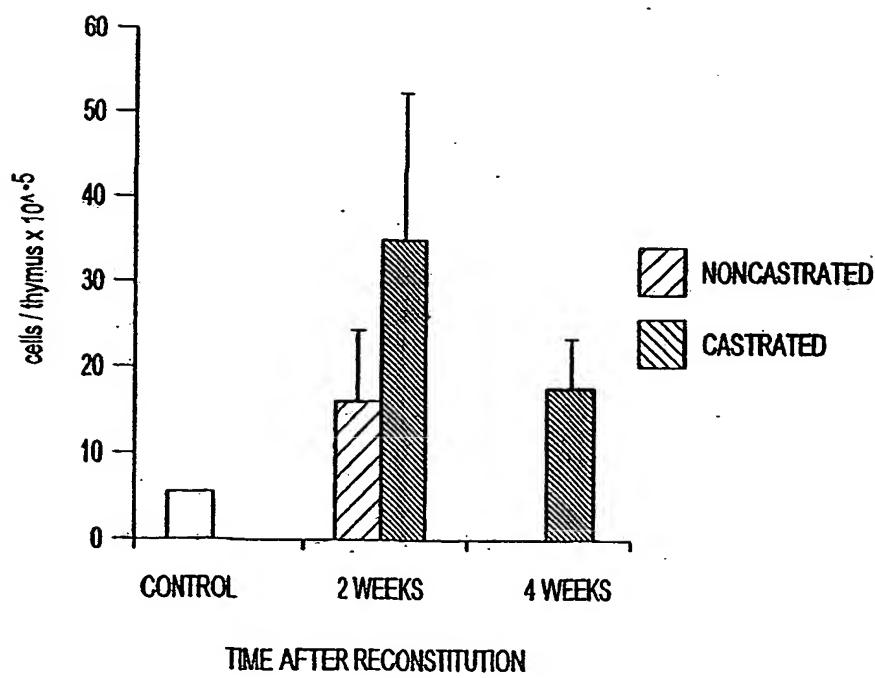


Figure 23B

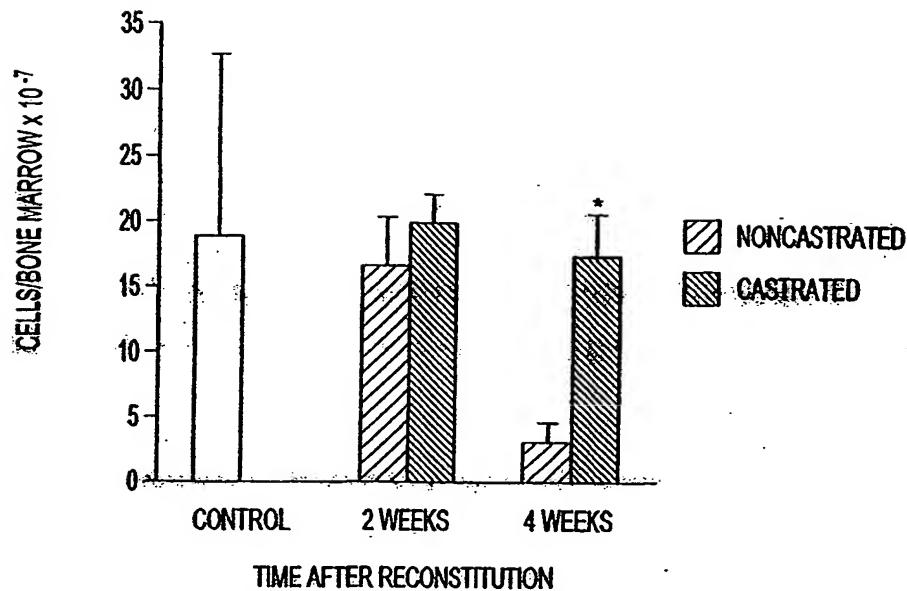


Figure 24A

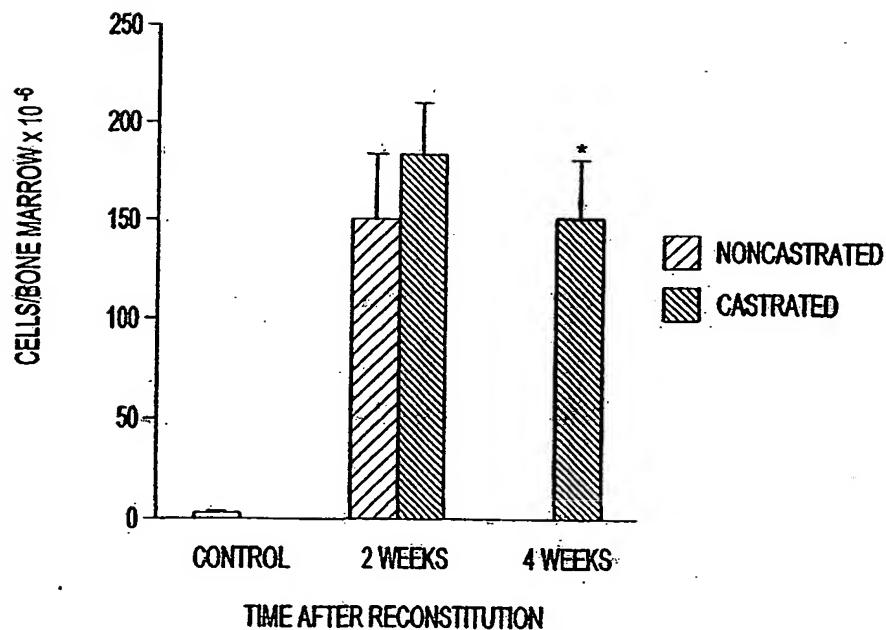


Figure 24B

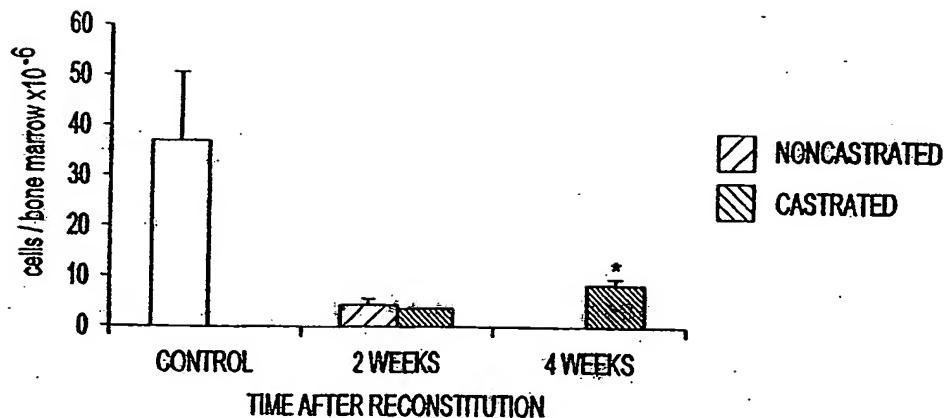


Figure 25A

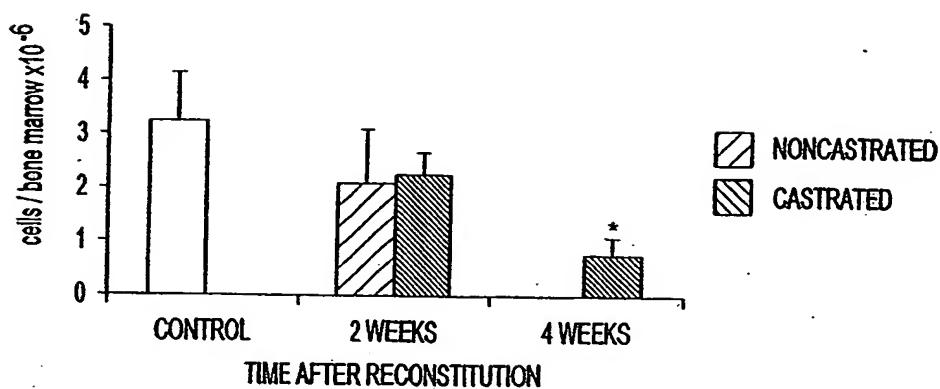


Figure 25B

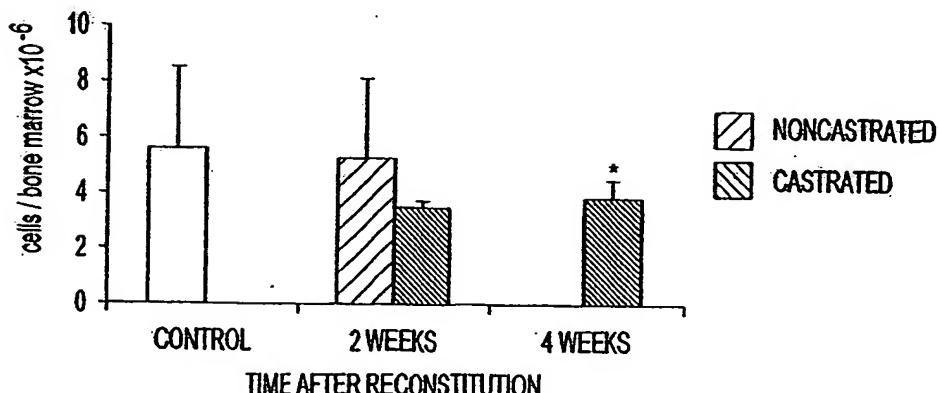


Figure 25C

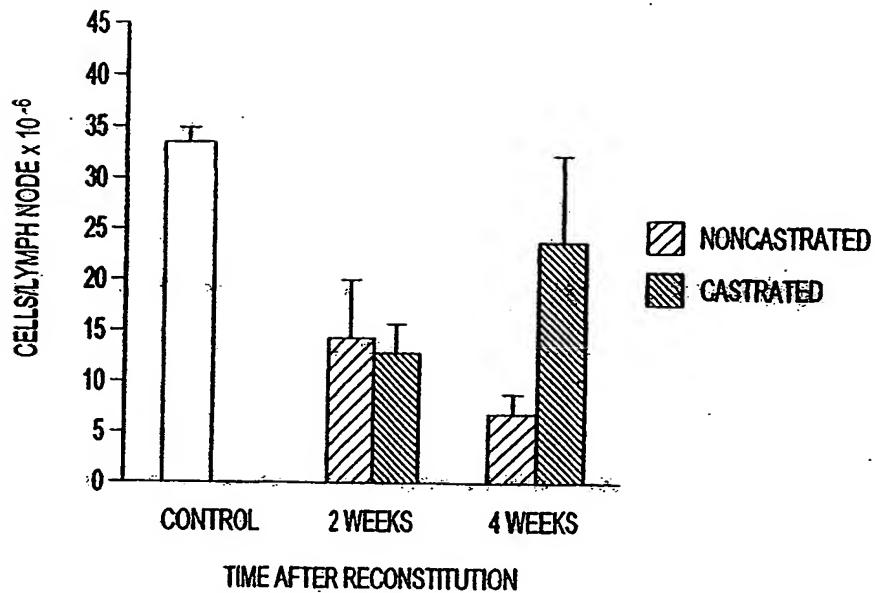


Figure 26A

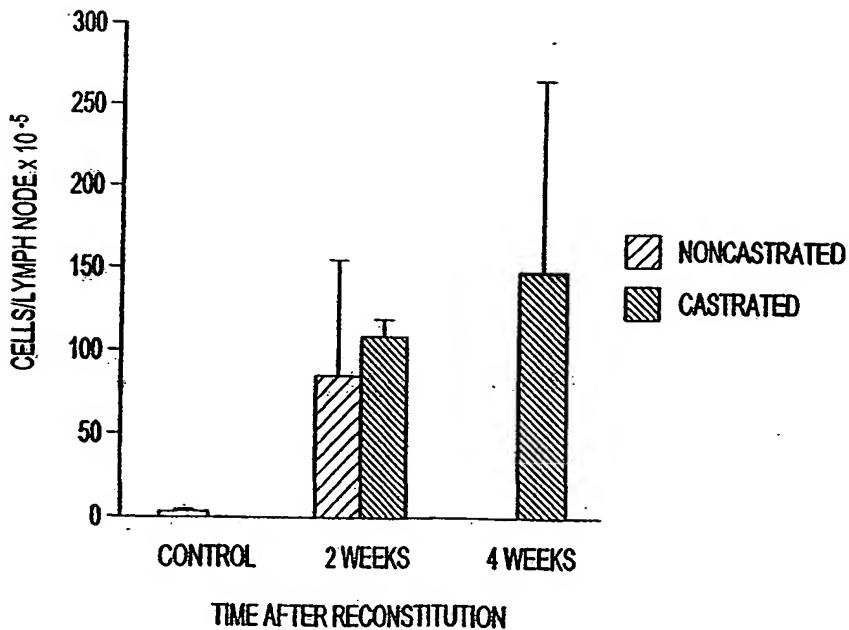
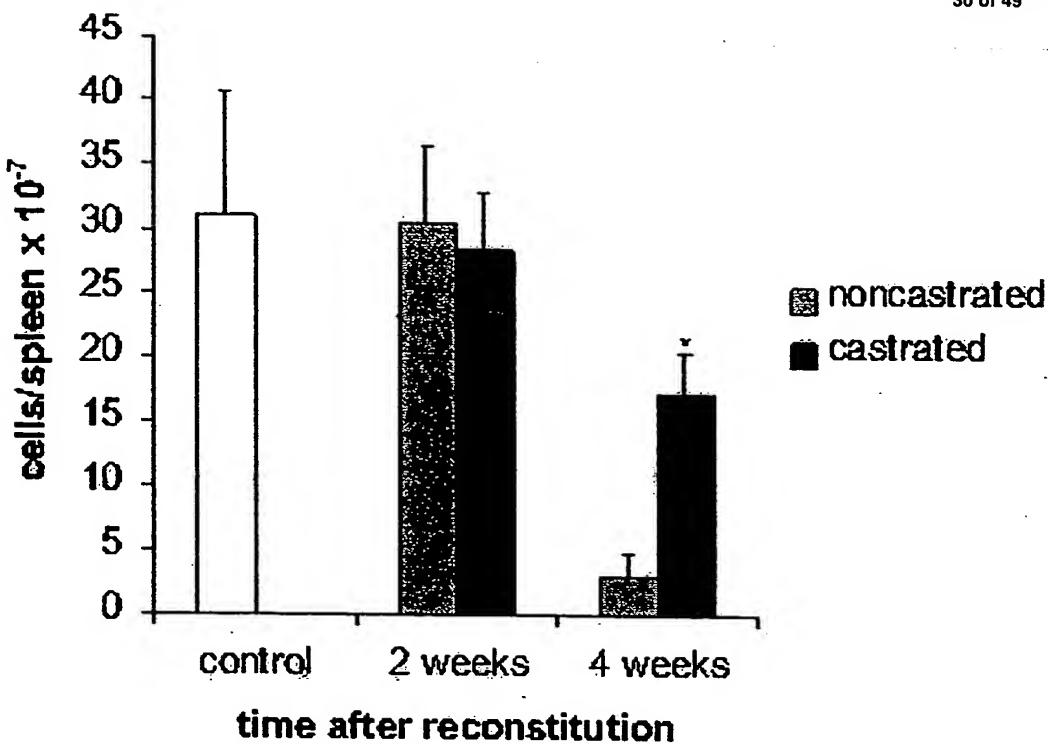


Figure 26B

A.



B.

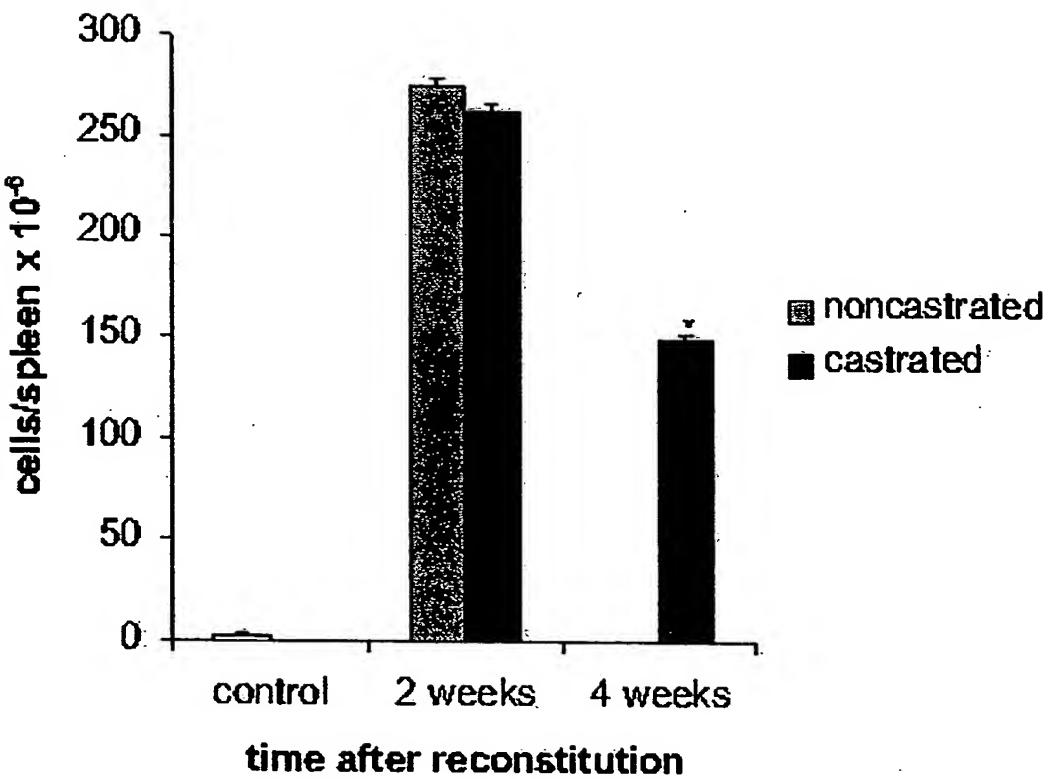


FIGURE 27.

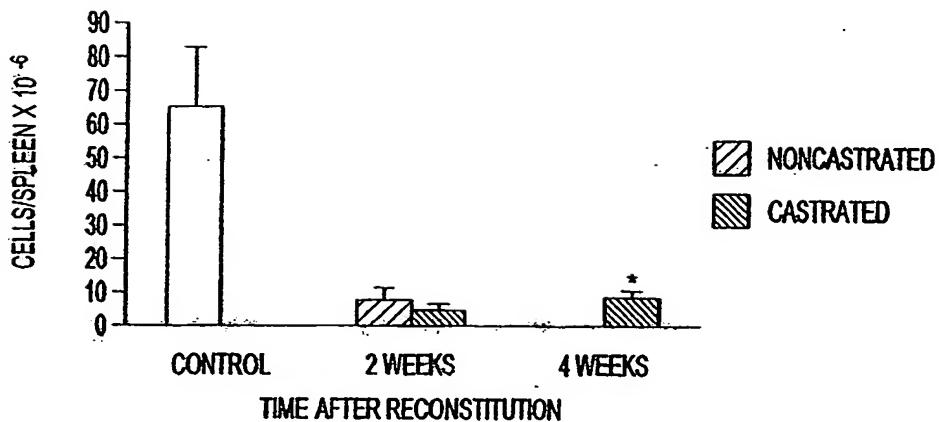


Figure 28A

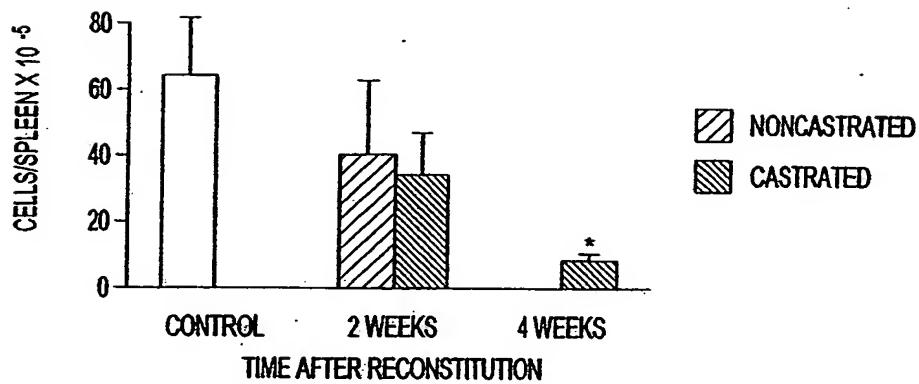


Figure 28B

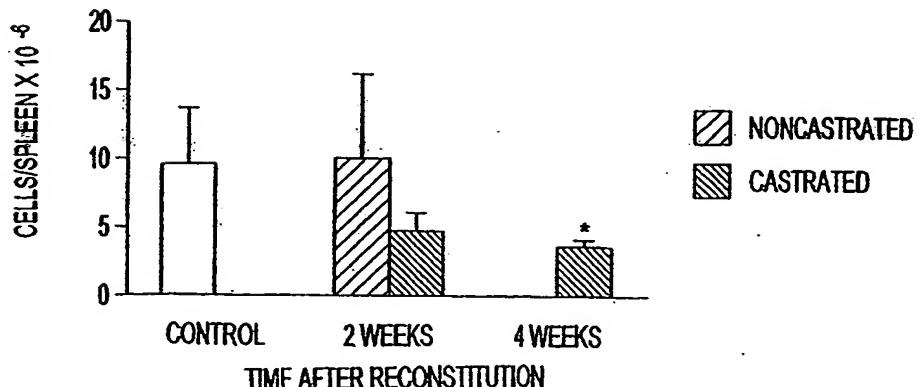


Figure 28C

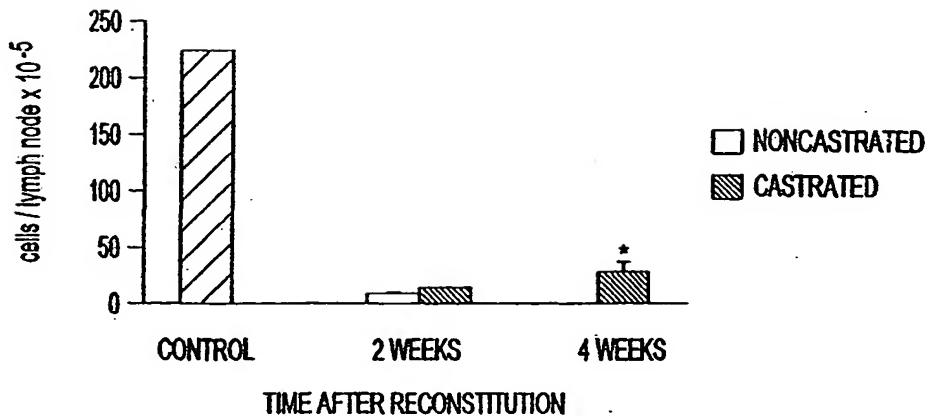


Figure 29A

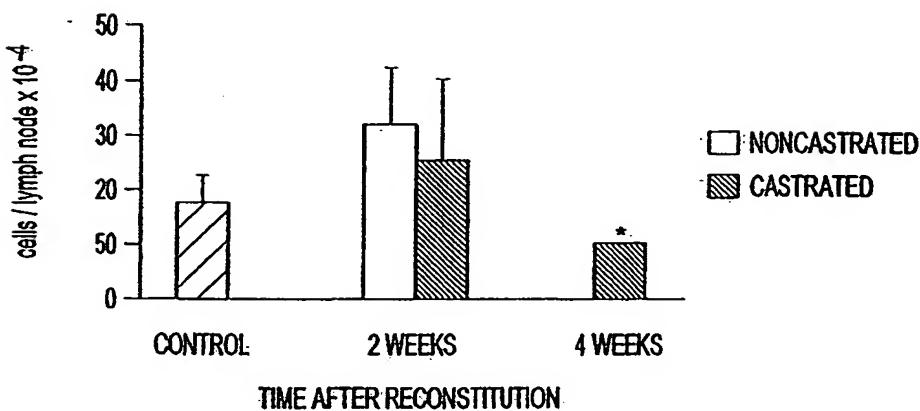


Figure 29B

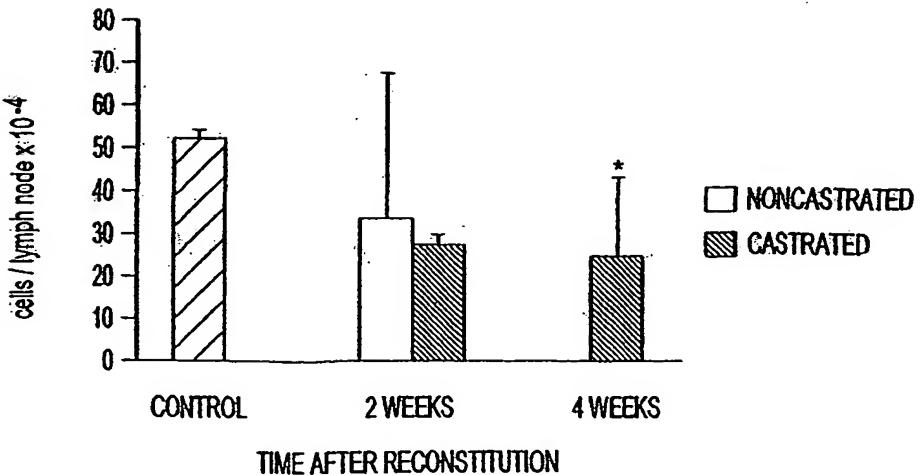
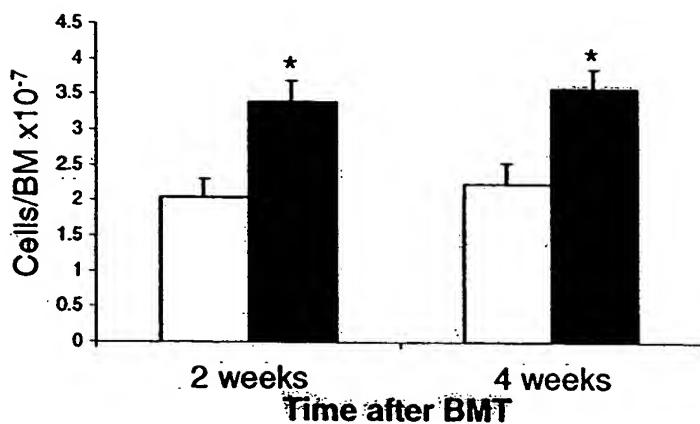
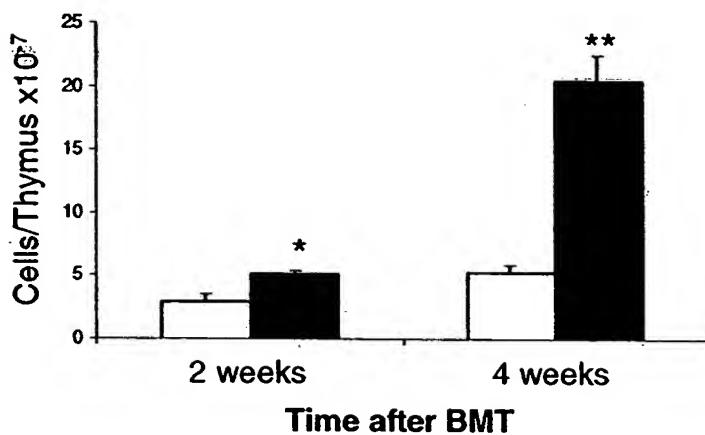


Figure 29C

**A. Bone Marrow**



**B. Thymus**



**C. Spleen**

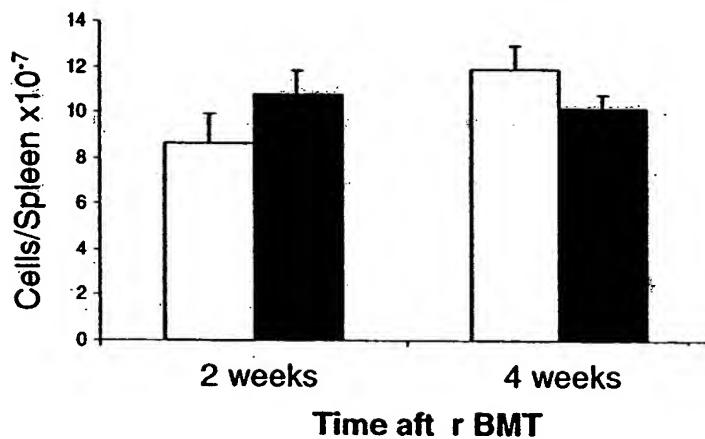


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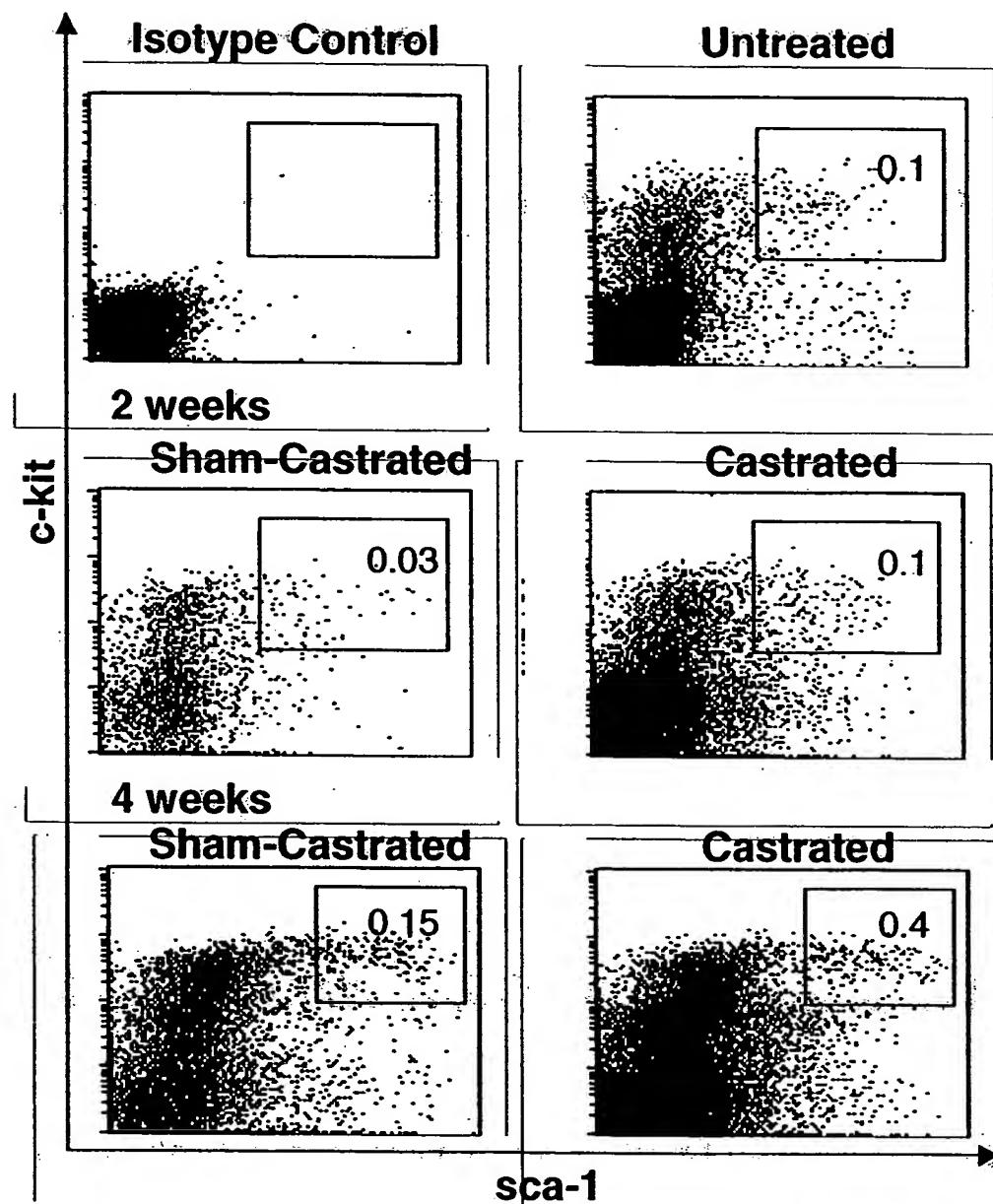
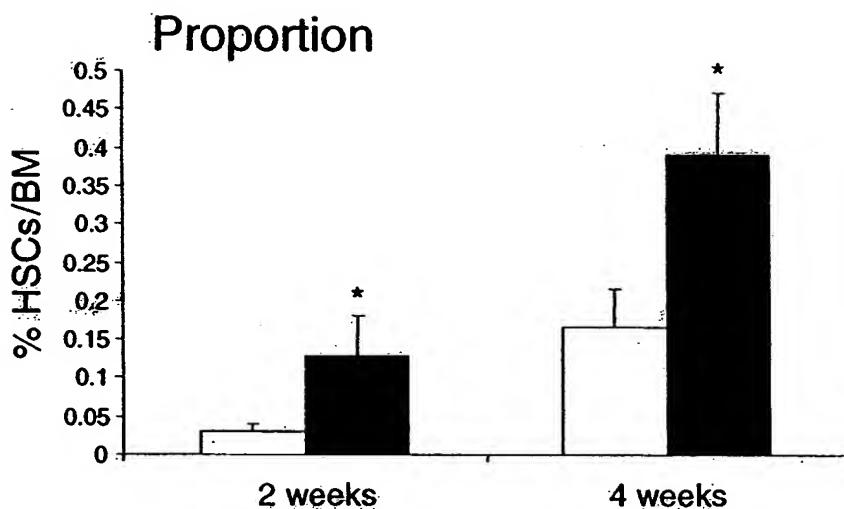


Figure 31

A.



B.

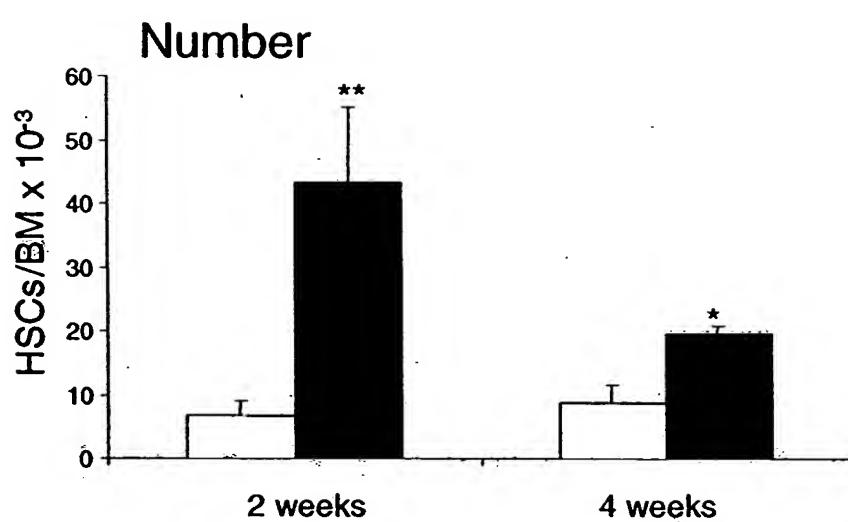


Figure 32

## A. B Cell Precursors



## B. B Cells

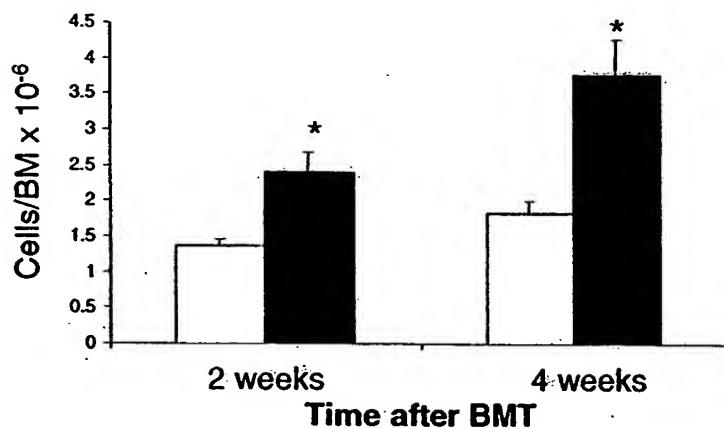


Figure 33

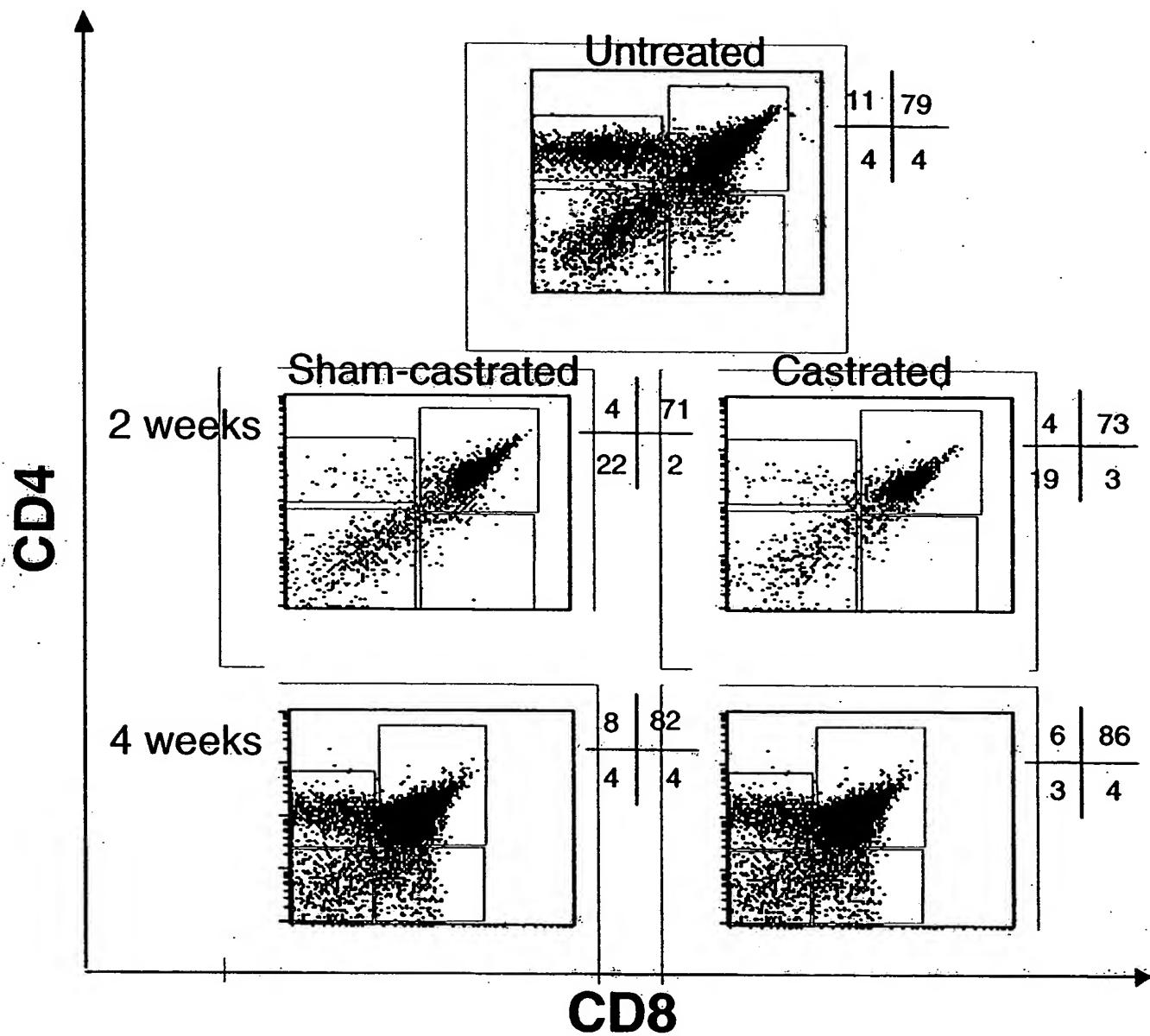


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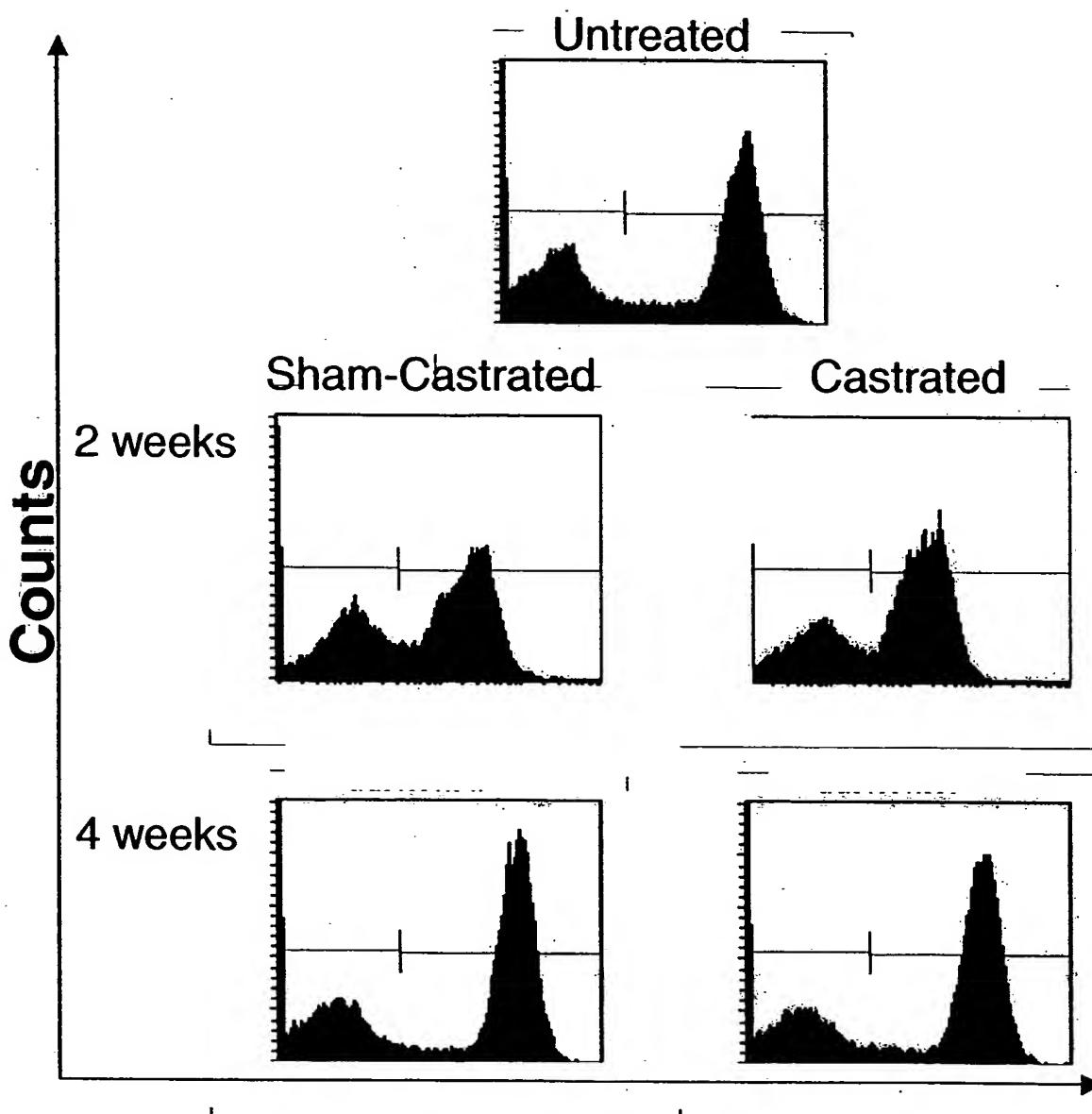


Figure 35

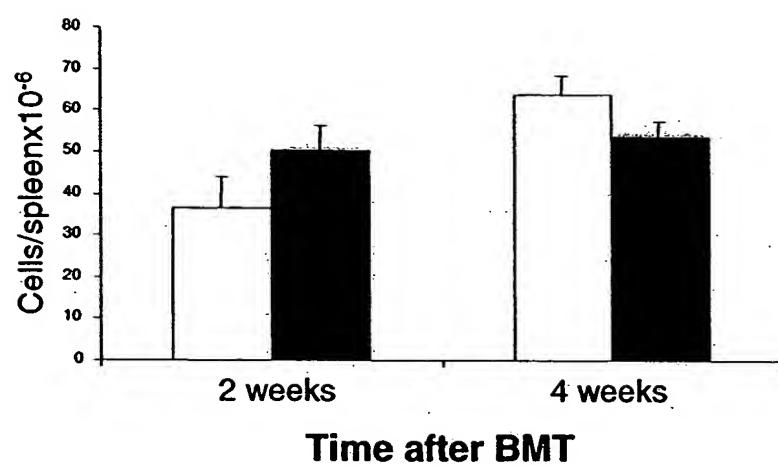


Figure 36

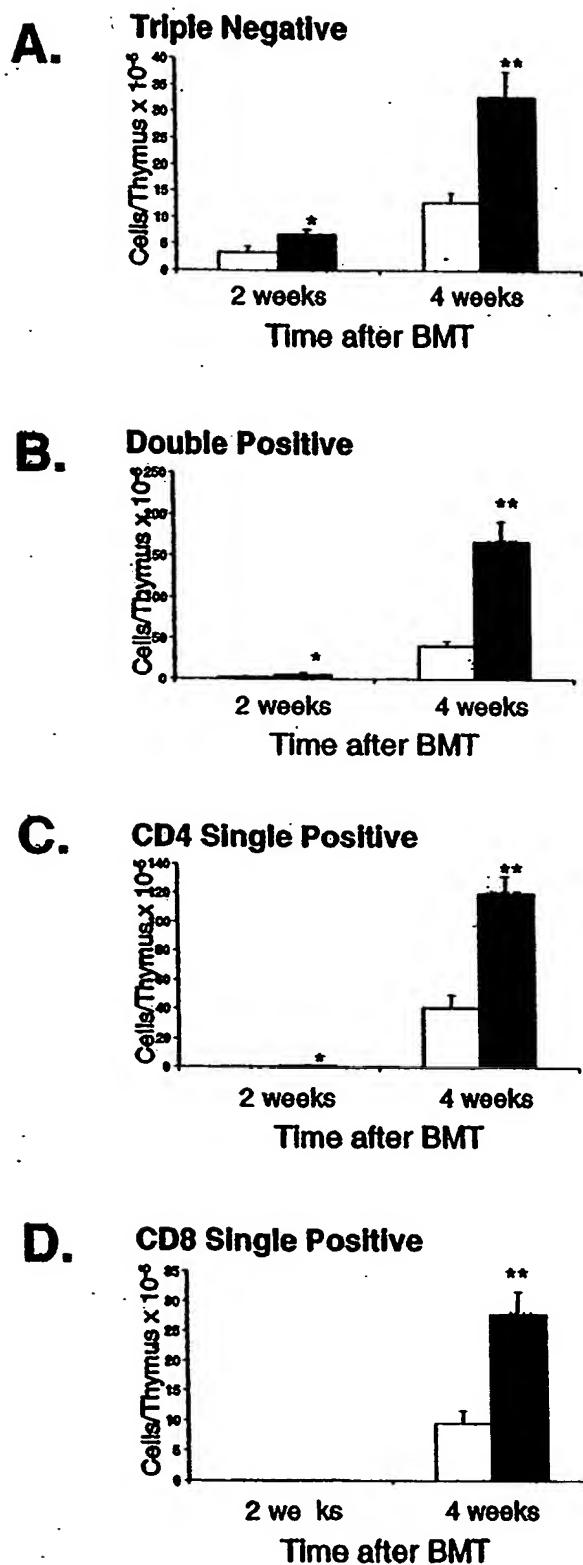


Figure 37

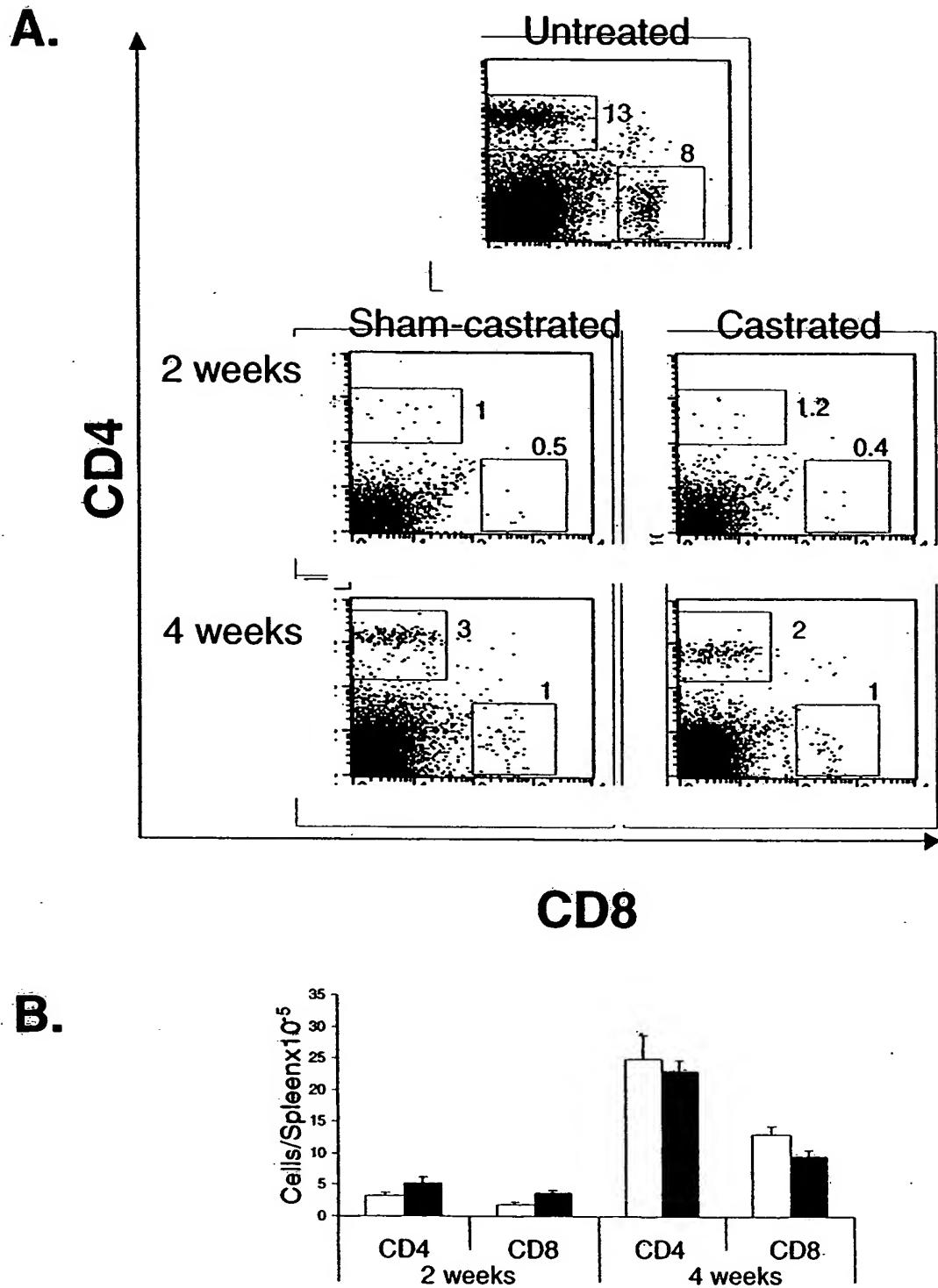


Figure 38

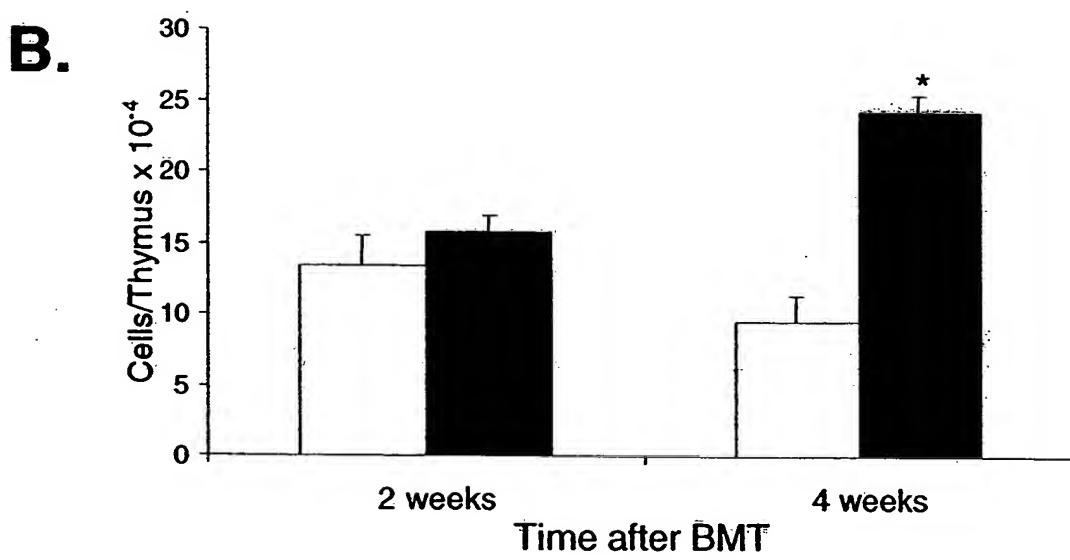
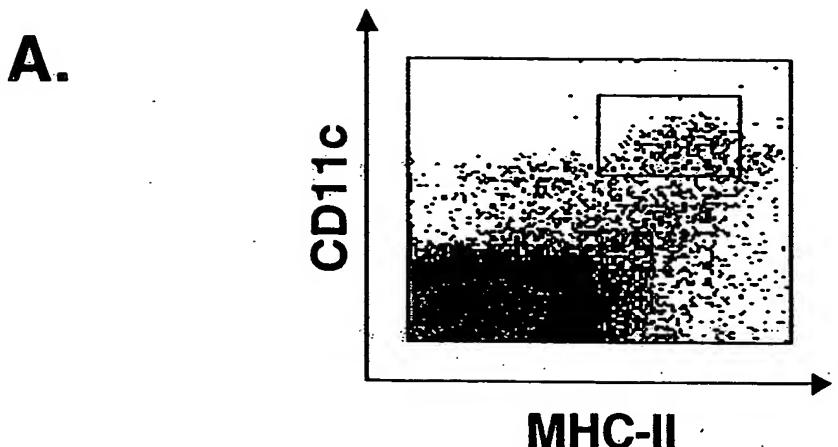


Figure 39

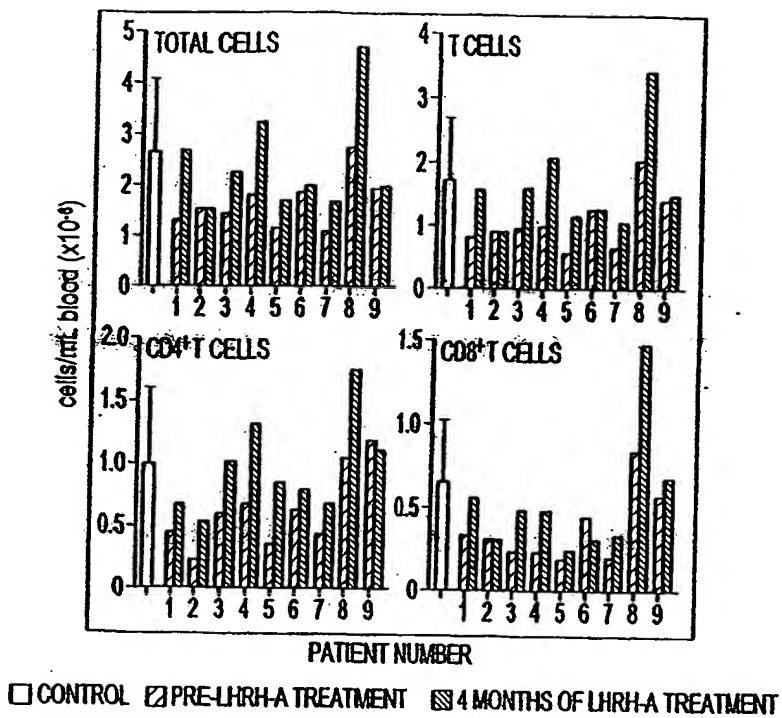
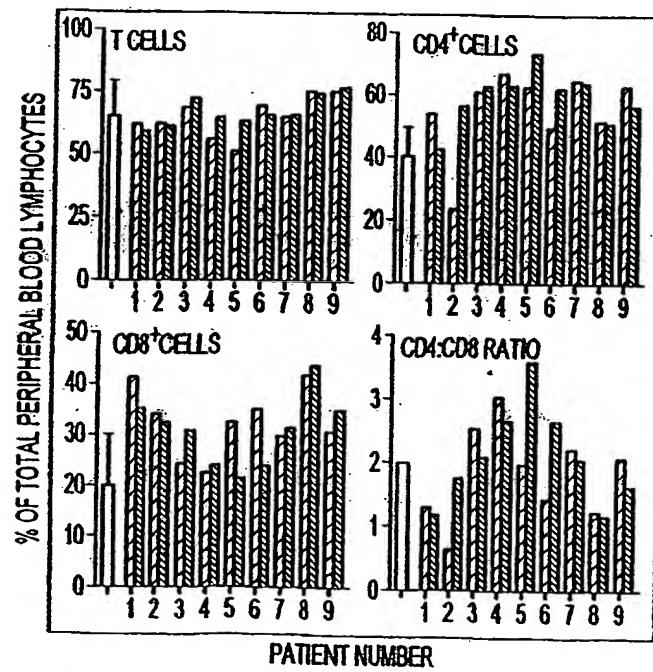


Figure 40



□ CONTROL □ PRE-LHRH-A TREATMENT □ 4 MONTHS OF LHRH-A TREATMENT

Figure 41

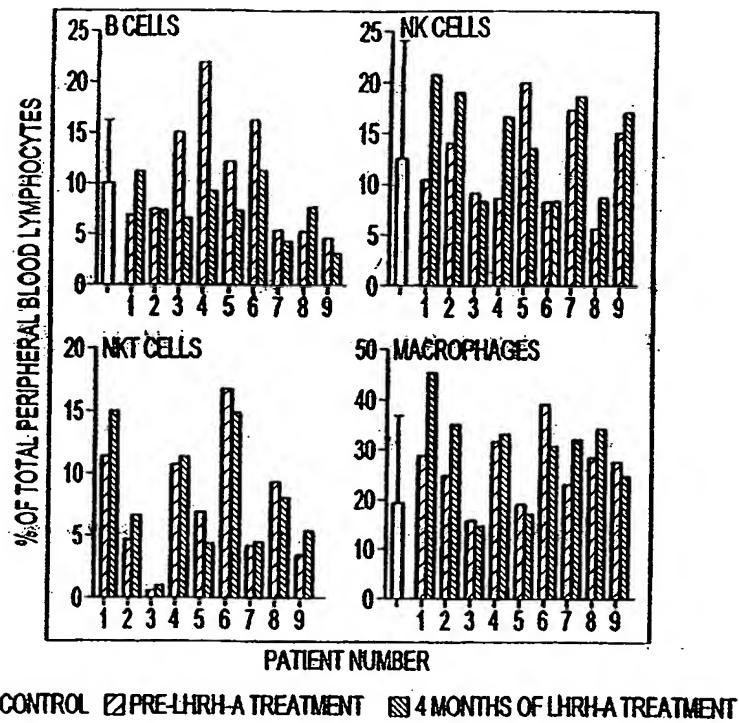


Figure 42

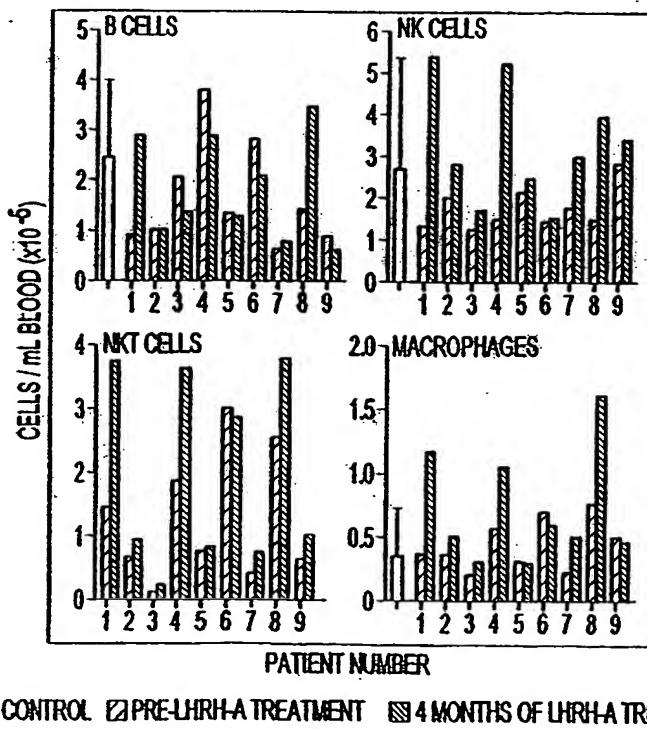


Figure 43

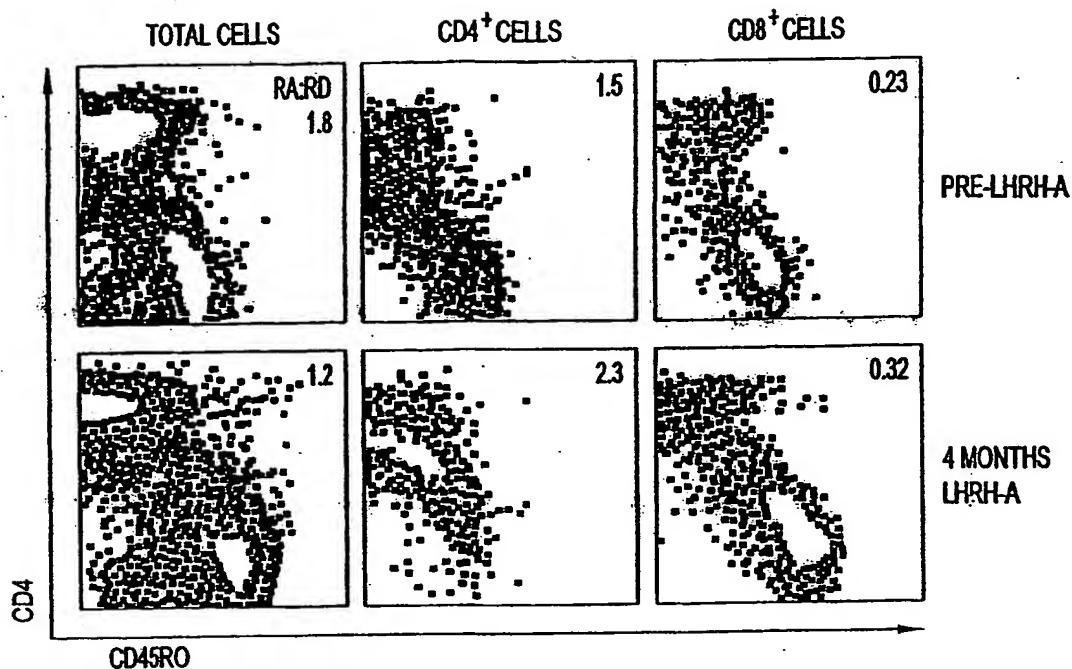


Figure 44A

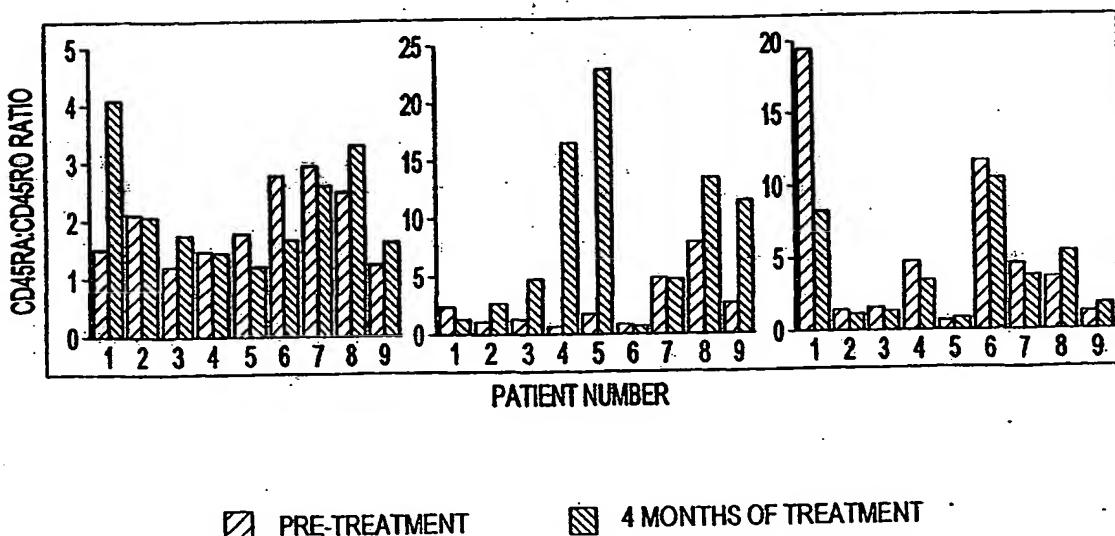
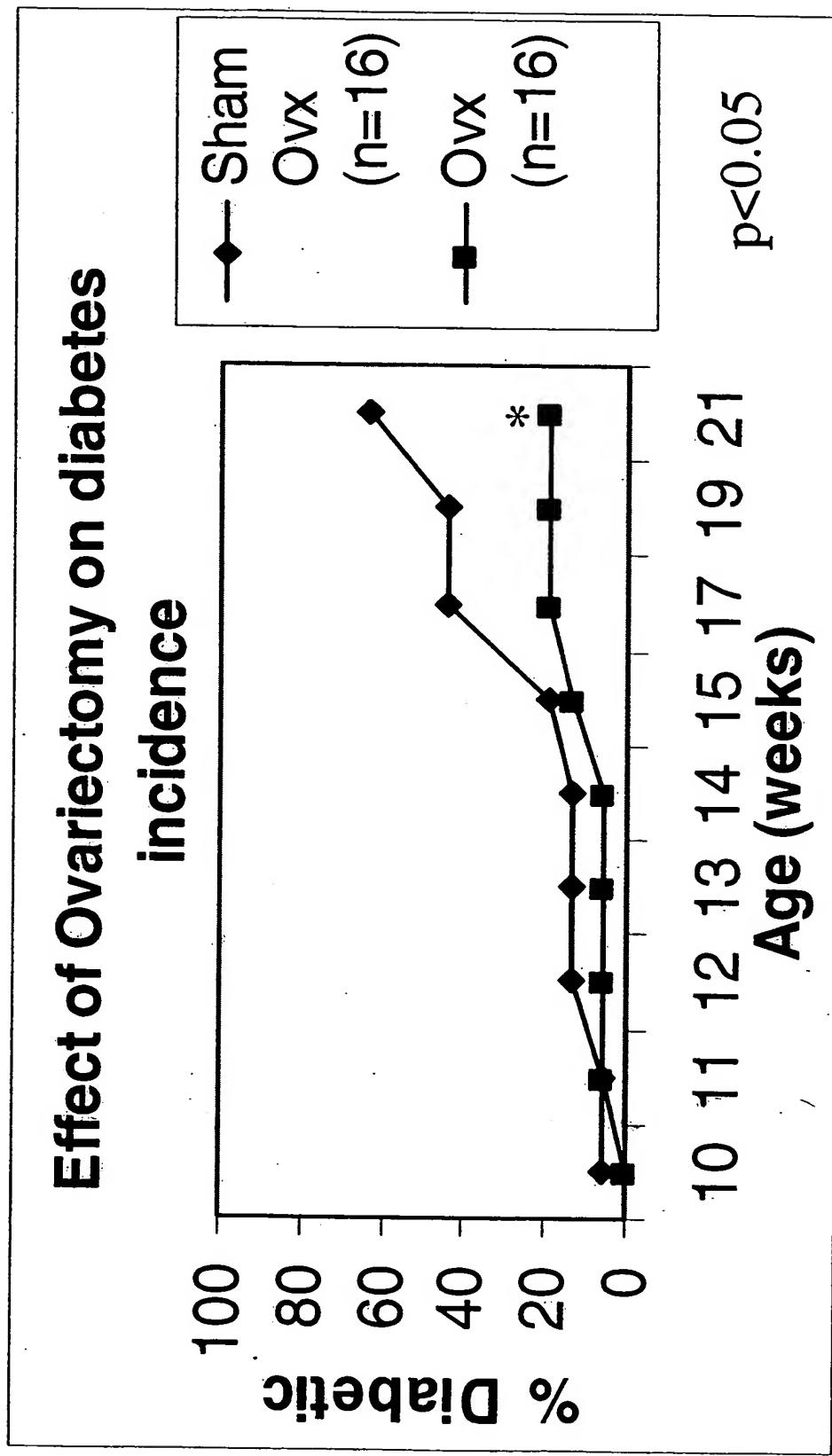


Figure 44B

Figure 45



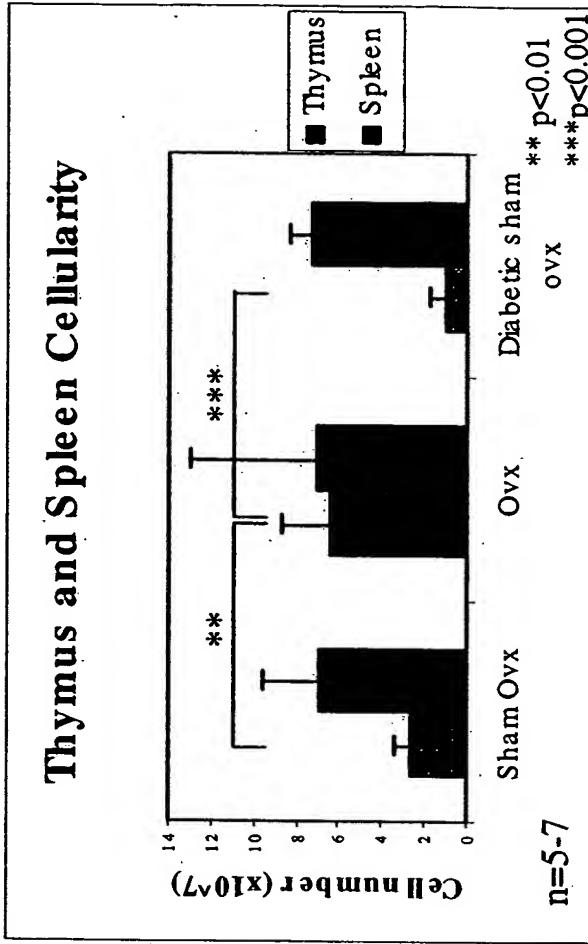
(Fisher's Exact Test)

Figure 4.6

# Effects of Ovx on the Thymus and Spleen

At 21 weeks:

- Non-diabetic sham-ovx
- Non-diabetic ovx
- Diabetic sham-ovx



(Kruskal-Wallis)

Thymus, Spleen analysed for T cells, B cells, and regulatory cells

# Effects of Ovx on T and B cells

Figure 47A

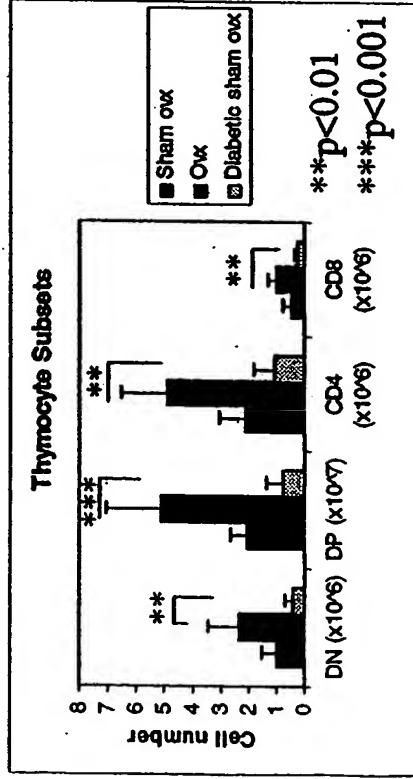
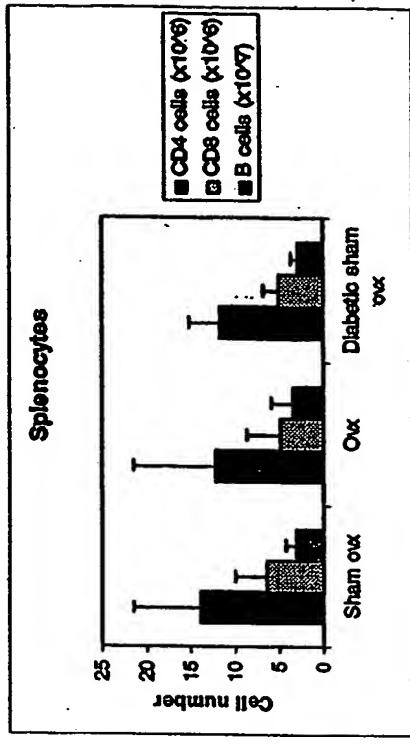


Figure 47B



n=5-7

(Kruskal-Wallis test)

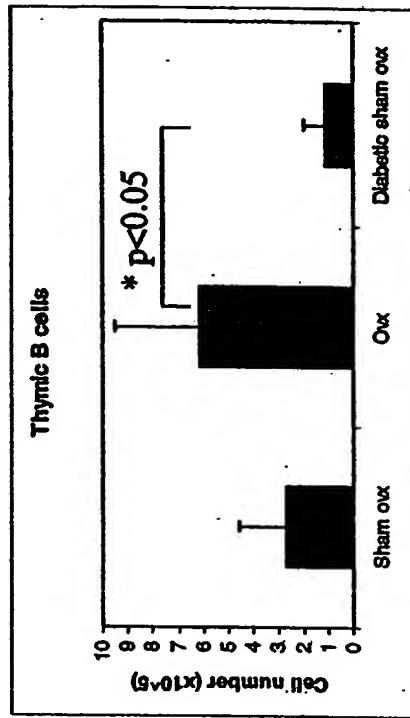


Figure 47C

# CD4+CD25+ Cells

Figure 48A

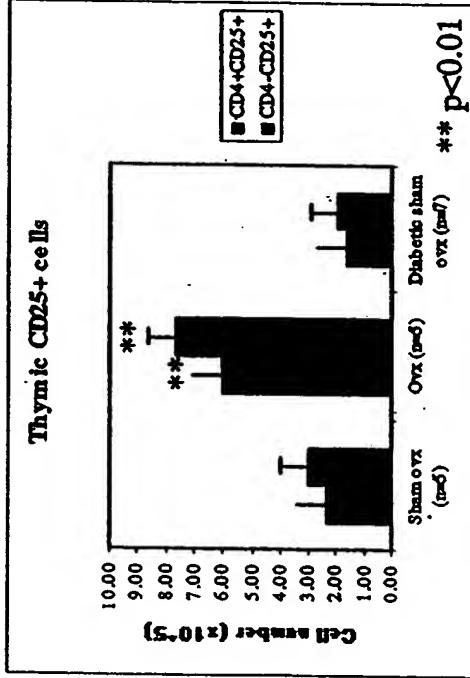
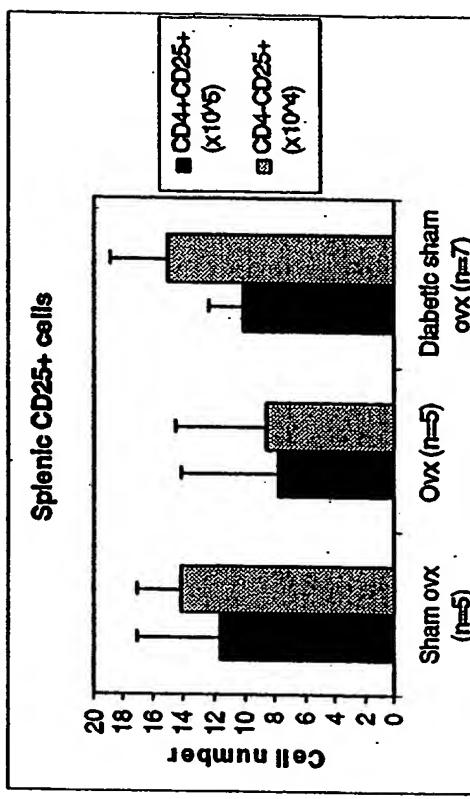


Figure 48B



Kruskal-Wallis test

There is a significant increase in CD25+ cell numbers in the thymus of ovx mice, but not in the spleen. Proportions do not change.